

19990920.qrp v01\_n585.qrl.990920

Date: Mon, 20 Sep 1999 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1585

QRP-L Digest 1585

Topics covered in this issue include:

- 1) [50762] Re: QRPP to the field - milliwatt POWER!  
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- 2) [50763] QRP AField 1999  
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- 3) [50764] Where can I buy qrp kits in ontario  
by "Jimmer" <nhawk@sprint.ca>
- 4) [50765] 2N2 something or another  
by "John J. McDonough" <jjmcd@tm.net>
- 5) [50766] qrp with drakes  
by Anthony Felino <anthony@pacinfosb.com>
- 6) [50767] cq 21.040 right now and i am lonely. :)  
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- 10) [50771] how to sign district and qrp?  
by Christian Void <cvoid@netcom.com>
- 11) [50772] Thanks  
by "williswonkas" <williswonkas@email.msn.com>
- 12) [50773] QRP Afield 1999 from TX  
by "Joe Spencer" <joes@tcjc.cc.tx.us>
- 13) [50774] QRP Afield is a bust, but trip is great for AB0GO  
by "Dave Ek" <ekdave@earthlink.net>
- 14) [50775] NE40-40 Instructions  
by Steve Hideg <Steve.Hideg.1@nd.edu>
- 15) [50776] 2N2/40 Crystals  
by Lee Bahr <bahr521@earthlink.net>
- 16) [50777] Antenna Article from CQ  
by k5xu@concentric.net
- 17) [50778] QRP-A a Great Event! (long)  
by S LYON <sslyon@worldnet.att.net>
- 18) [50779] Re: Antenna Article from CQ  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 19) [50780] Qrp Afield Report From KI6DS

- by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 20) [50781] QRP AFIELD/WYOMING  
by "Dick Schneider" <dschneider2@uswest.net>
- 21) [50782] Twinlead Hardware (was Feedpoint construction)  
by "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
- 22) [50783] Re: QRP Afield is a bust, but trip is great for AB0GO  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 23) [50784] Marking Knobs  
by KG8L@aol.com
- 24) [50785] Re: Antenna Article from CQ  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 25) [50786] QRPA from NW Calif.  
by w6ra <t-ranch@humboldt1.com>
- 26) [50787] QRP AFIELD IA  
by mjfitz@uswest.net
- 27) [50788] WTB Early Ten-Tec 509 schematic  
by ka7you@juno.com
- 28) [50789] Long-term test of battery maintainer  
by ka7you@juno.com
- 29) [50790] Chuck Adams' New URL ???  
by James P Rybak <jrybak@mesastate.edu>
- 30) [50791] Re: Antenna Article from CQ  
by Jeff Francis <jfrancis@frii.com>
- 31) [50792] Murphy Visits N4BP  
by Bob Patten <n4bp@bc.seflin.org>
- 32) [50793] QRP-AFIELD LOG de WA7LNW/P Utah  
by Jack Reed <wa7lnw@infowest.com>
- 33) [50794] SLX  
by "Norman A. Jackson" <nvj@megalink.net>
- 34) [50795] Re: Chuck Adams' New URL ???  
by "Chuck Carpenter" <w5usj@globeco.net>
- 35) [50796] Low output on HW8...  
by Hans =?iso-8859-1?Q?=D6stnell?= <Hans.Ostnell@itn.vxu.se>
- 36) [50797] Re: Battery Rating Question .....  
by "Mike Yetsko" <myetsko@insydesw.com>
- 37) [50798] QRP AFIELD: From the shores of Lake Ontario  
by Thomas Jennings <jennings@eng14.roch.ny.uspra.abb.com>
- 38) [50799] Re: QRP to The Field, Sort of...  
by wb2vuo@juno.com
- 39) [50800] Re: K2  
by GE1am30092@aol.com
- 40) [50801] QRP-A addenda  
by S LYON <sslyon@worldnet.att.net>
- 41) [50802] Where to find Kester Silver Solder??  
by Steve Kubisch <WW7Y@sisna.com>
- 42) [50803] SCORING -for us /P's ?  
by S LYON <sslyon@worldnet.att.net>
- 43) [50804] RAC QRP Plaques

- by Bruce Rattray <rattray@gpfn.sk.ca>
- 44) [50805] Re: QRP Afield - N3XRV  
by Chris Cartwright Sr <ccart@phideaux.com>
- 45) [50806] Re: QRP Afield - N3XRV  
by "Ed Lawson" <elawson@lr.net>
- 46) [50807] qrp at the beach / HT 750 HyPower  
by Tom M <tjmc@erols.com>
- 47) [50808] Notoriety!  
by Tim Pettibone <k5oi@zianet.com>
- 48) [50809] QRP Afield: AE6TT  
by Allan G Taylor <k7gt@arrl.net>
- 49) [50810] Fw: QRP Afield  
by "Floyd Smithberg" <flydnq7x@primenet.com>
- 50) [50811] QRP Afield from the California Sierra  
by Bill Jones <kd7s@psnw.com>
- 51) [50812] Re: SCORING -for us /P's ?  
by Bob Patten <n4bp@bc.seflin.org>
- 52) [50813] Tuna Tin 2/MRX Pacificon Builders list (9 kits left)  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 53) [50814] Re: QRP Afield from the California Sierra  
by Macstein@aol.com
- 54) [50815] NorCal Parts Kits..  
by "Phinizy, William" <wphinizy@filenet.com>
- 55) [50816] Portable Operation  
by Bruce Muscolino <w6toy@erols.com>
- 56) [50817] Re: Weird 2N2/40 Problem Found  
by "Randy Jouett" <rules@bellsouth.net>
- 57) [50818] Re: QRP-A addenda  
by Bob Patten <n4bp@bc.seflin.org>
- 58) [50819] K2 and Tai'Chi.  
by Ed Loranger <we6w@qsl.net>
- 59) [50820] Searching the archives for coax as balanced feeder?  
by The Boices <boice@bigfoot.com>
- 60) [50821] Re: QRP Afield: AE6TT  
by Ed Loranger <we6w@qsl.net>
- 61) [50822] ARCTIME WWVB clocks / monitor interference  
by "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
- 62) [50823] RE: OT: RE: That WaCkY AtOmIC cL0cK!  
by "Kory Hamzeh" <kory@avatar.com>
- 63) [50824] AE6TT is a FISTS club call  
by Allan G Taylor <k7gt@arrl.net>
- 64) [50825] QRP on Kenwood tube-final rigs  
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 65) [50826] Re: Notoriety!  
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 66) [50827] QRP-A de WB5QYT  
by tom whalen <wb5qyt@eFortress.com>
- 67) [50828] QRP Afield N4BP Summary

by Bob Patten <n4bp@bc.seflin.org>  
68) [50829] Re: Weird 2N2/40 Problem Found  
by "Randy Jouett" <rules@bellsouth.net>  
69) [50830] Re: A Suggestion for Problems with Kits  
by Scott Gregson - KC7MAS <emtech@steadynet.com>  
70) [50831] F.S. Hy-Gain CD-45-II Rotor  
by Davewb4@aol.com  
71) [50832] Fw: Tweeking the NorCal 20  
by "Jay Bromley" <w5jay@alltel.net>  
72) [50833] Re: Searching the archives for coax as balanced feeder?  
by JClinton46@aol.com  
73) [50834] Re: Searching the archives for coax as balanced feeder?  
by wb2vuo@juno.com  
74) [50835] K2  
by <SFIKE@twa.com>  
75) [50836] Visual Altoids  
by Goran Hosinsky <hosinsky@jet.es>  
76) [50837] QRP Afield scoring question  
by "Draper, Bruce L" <draperbl@sandia.gov>  
77) [50838] Re: Coax as balanced feeder?  
by ka7you@juno.com  
78) [50839] Re: Where to find Kester Silver Solder??  
by "Jay Bromley" <w5jay@alltel.net>  
79) [50840] SLX Building Instructions (Brief)  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
80) [50841] Atlas 210s?  
by Bruce Ratray <rattray@gpfn.sk.ca>  
81) [50842] Re: Ferrite Rod Inductors  
by Bruce Kizerian <kizerian@ced.utah.edu>  
82) [50843] Antenna tuner  
by "Dieter Gentzow WB8QYY" <wb8qyy@one.net>  
83) [50844] KLNNet 9/19/99  
by "Randy Hargenrader" <randyh@harksystems.com>  
84) [50845] Milliwatt'ers out in force for QRP TTF  
by Jim Hale <kj5tf@yahoo.com>  
85) [50846] Re: QRP Afield - N3XRV (reply)  
by David Gauding <david.gauding@bbs.galilei.com>  
86) [50847] Re: K2  
by "Alan Fryer" <n3bj@hotmail.com>  
87) [50848] Re: Searching the archives for coax as balanced feeder?  
by "George T. Baker" <w5yr@swbell.net>  
88) [50849] Kester 245 Solder  
by charles k brown <n4so@juno.com>

-----  
Date: Sun, 19 Sep 1999 17:03:41 -0700 (PDT)  
From: Jim Hale <kj5tf@yahoo.com>

To: HWRM1SS@aol.com, njqrp@njqrp.org, qrp-1@lehigh.edu  
Subject: [50762] Re: QRPP to the field - milliwatt POWER!  
Message-ID: <19990920000341.25413.rocketmail@web705.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- HWRM1SS@aol.com wrote:

> Jim,  
> We must be concerned with the power dissipated in  
> unanswered CQ's... Will  
> these calls go unheeded? Will they circulate until  
> answered?

I like to think my mW CQ's are still out there,  
somewhere...

Actually, I didnt do allot of CQ'ing. When I CQ with  
low down milliwatts I always have plenty of time to  
neaten up my logs, etc. But did get one reply, and a  
579 RST! we had a good path.

>You must work  
> the unanswered transmissions against the power used  
> to actually talk to  
> someone. And how much food did you consume? Did you  
> drink beverages? These  
> are all very important... How many calories did you  
> dissipate using your  
> key/bug/keyer - did you drive or walk to your site -  
> did you sweat? And how  
> many calories will you burn while writing QSL cards  
> and stamping them?

Well, Ive not figured that yet, but I suspect my  
personal energy is near QRP also. (The flu you know)

And I drove my 4-wheeler to my north 40, so I did burn  
some dino juice Howard. ;-)

No mystery.... when you have a HF path, power dosnt  
matter. 100w - 5w - or mW ! Yep QRP is cool, and  
QRPP is a gas!

Thanks, de Jim KJ5TF

> It is a mystery to me...QRP is cool  
> Howard K3HW  
>

-----  
Do You Yahoo!?  
Bid and sell for free at <http://auctions.yahoo.com>  
-----

Date: Sun, 19 Sep 1999 18:08:29 -0600  
From: jaywa5whn@juno.com  
To: qrp-1@lehigh.edu  
Subject: [50763] QRP AField 1999  
Message-ID: <19990919.180839.-857827.0.jaywa5whn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

51 Q's on Saturday, numerous SPCs & a multitude of QSOs  
11 Q's on Sunday {several /P} {A most enjoyable QSO with N0TU & the new K2}

The weather had made us abort our primary site {San Miguel Mtn} and head towards our secondary site {1.7 miles south of the primary & 450 feet lower in altitude.} on Sat.. This had caused a one hour delay. Well Sunday morning {local time} 1400 UTC I was playing with the radios. The wind was howling, the clouds were rolling in on us & I step outside of the tent and look west towards La Ventana, NM. It's dark & lightning is dropping out of the sky all around. WB5LYJ turns to me and says the mountain roads will wash out. We are out of there in 15 minutes.

20 meters was where the action was. Kudos to NF9K @ 900 mw, AA8PJ @ 500 mw, WB5QYT @ 100 mw {VHF} & K5KW @ 750 mw. Hmmm, a KW @ 750 mw? ;-)

We need to spread out during these contests. 14.060 MHz had no less than 4 stations calling CQ QRP TEST on exactly the same frequency. I had picked up KA3LOC/0 {KS} just below 14.056 MHz.

Beacons {Stations with solid signals during the entire contest time period on 15 & 20 meters} K0EVZ, N4BP, AA5B, AE6TT, N6XI, N6MM, WB0RXF, N6WG, W5JAY & AA1MY, with W0CQC on 40 meters.

A half moon, the Milky Way, and numerous polar orbiting satellites were visual treats on Saturday night.

Dave, NN1G let's do this again next year.

72...Jay, WA5WHN/P 1W NM DM65nt

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Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Sun, 19 Sep 1999 20:25:54 -0400  
From: "Jimmer" <nhawk@sprint.ca>  
To: <qrp-1@lehigh.edu>  
Subject: [50764] Where can I buy qrp kits in ontario  
Message-ID: <000701bf02fe\$b4648ae0\$02000003@nighthawkinfo>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Looking to buy qrp kits to build in ontario or canada all help is appreciated.

Jim VE3JTC

nhawk@sprint.ca

-----  
Date: Sun, 19 Sep 1999 20:29:52 -0400  
From: "John J. McDonough" <jjmcd@tm.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50765] 2N2 something or another  
Message-ID: <01bd01bf02ff\$49cf4660\$010044c0@conor-mac-nessa>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Time for a progress report.

The exercise of making a 20 meter version of the 2N2 is going well. I used a 6.8MHz Epson oscillator to mix (in a SBM) with the slightly higher than normal VFO output to get me a 9MHz VFO that seems to be pretty stable. I cleaned up the mixer output with a little PI network, and reduced T6 in turns and capacitance, and it's looking pretty good.

For those curious about precise values - the mixer output was filtered with a T37-2 19 turns, with an input cap of 330 and an output of 220 (based on Spice modeling). C15 worked best (trial and error) at 47pf with T6 of 9/5 turns. I used a 78L05 to power the oscillator and the same mixer that Jim uses in the transmitter.

One little thing I did run into - when I took the output from Q2 into the mixer transformer, I needed to add a DC blocking capacitor. Without it the supply to POT2 was pulled down to the point I could only tune about 5Khz.

In the process I also made a spreadsheet of toroid inductance versus turns for the popular cores. I've only done this calculation about a hundred times - duh! Why this chart isn't in the Handbook I don't know, but I'll contribute it to the Volume 3 CD.

That's about all I'll do tonight. My 2N2/40 is sitting in a corner looking lonely - time to put some miles on it!

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr/>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Sun, 19 Sep 99 17:26:45 -0800  
From: Anthony Felino <anthony@pacinfosb.com>  
To: qrp-l@lehigh.edu  
Subject: [50766] qrp with drakes  
Message-ID: <Chameleon.937787752.anthony@anthony>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I use my T-4XB at reduced power almost exclusively when using CW. All you have to do is turn down the gain pot. Mine puts out less than a Watt on all bands with the pot all the way down, and, of course, it is continuously variable up to 100W. No mods necessary. You can get it down to microwatts if you detune the driver! It is real inefficient, though. Who cares if you're having fun.

There is a Drake list, but I don't have any information on it. One of the guys misposted to this list about a noise blanker he was developing. The 4-NB is available (used) but in my case they go for more than what I payed for my basic R4-C. If anyone knows whether or not this



project has progressed, please let me know.

73,  
WN6Q

-----  
Anthony Felino, Pacific Information Design  
email: anthony@pacinfosb.com, afelino@eng.delcoelect.com  
telephone: (805) 730 1565, x25  
fax: (805) 730 1569  
-----

-----  
Date: Sun, 19 Sep 1999 17:48:05 -0700 (PDT)  
From: Christian Void <cvoid@netcom.com>  
To: qrp-l@lehigh.edu  
Subject: [50767] cq 21.040 right now and i am lonely. :)  
Message-ID: <Pine.3.89.9909191757.A5080-01000000@netcom3.netcom.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

if anyone is bored i am lonely and running 1watt at 21.040 calling cq. i  
hear other people around me in qso, alas, not me.

72/73 de kf6ihu/9/qrp

-----  
Date: Sun, 19 Sep 1999 20:49:01 EDT  
From: SMurph555@aol.com  
To: qrp-l@lehigh.edu  
Subject: [50768] A Half-Wavelength Is.....  
Message-ID: <5462bbec.2516de7d@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi all,

I've been building a half-wave dipole for 30M, using #22 stranded wire with plastic insulation. I originally cut it a bit long, with the intent of resonating the antenna using my Measurements Inc. Model 59 grid-dip meter, coupled to the center point of the antenna, to check its resonant frequency.

To make this measurement, I strung the antenna as a flat-top at about 8 to 10 feet above ground. I arranged a bit of the wire in a 3/4, or so, turn loop about 1.5 inches in diameter in order to increase the coupling to the grid-dip meter's coil.

With the original length, a bit shy of 48 feet, I think, I measured a resonant frequency of 9.5 MHz. I then trimmed about ten inches of wire from each end and the resonant frequency moved to about 9.8 MHz. Trimming a further eight inches from each end brought the resonant frequency to about 10.15 MHz. The overall length of the dipole was now about 44 feet and 7.5 inches (44.625 feet).

The length of 44.625 feet, to achieve resonance at 10.15 MHz, implies that, rather than the usual  $468/f$  formula for a half wavelength using this 22 gauge, plastic insulated wire, a closer approximation is  $453/f$ .

Sources of error include the low height of the antenna during the measurement, the frequency accuracy of the Model 59 grid-dip meter, the presence of an aluminum step ladder near (top about two feet away from) the feedpoint-to-be, and the presence of a 190 pound object composed mainly of water (me) about three feet from the center of the antenna.

I would appreciate comments from others who haunt the QRP-L. The thought in posting was that this information might prove useful to others making light, portable dipoles and inverted vees for the high frequency bands.  
72/73

Cal K4JSI

-----  
Date: Sun, 19 Sep 1999 20:02:41 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <anthony@pacinfosb.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50769] Re: qrp with drakes  
Message-ID: <002801bf0303\$d89b39e0\$1e32c0d1@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well shucks! Never had considered my T-4XB to be a QRP rig, but since I still do not have a "real" QRP rig, guess I'm going to have to give that a try. Matter of fact, I also have a Icom 706 which can be turned down as well. Looks like I'm all set...

Darn it! I'm going to have to wait till I get home first. That's why I've got to get something to use in hotel rooms.

Impatient Dan WB5TKA

-----Original Message-----

From: Anthony Felino <anthony@pacinfosb.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Sunday, September 19, 1999 7:38 PM  
Subject: qrp with drakes

>I use my T-4XB at reduced power almost exclusively  
>when using CW. All you have to do is turn down the  
>gain pot. Mine puts out less than a Watt on all bands  
>with the pot all the way down, and, of course, it is  
>continuously variable up to 100W. No mods necessary.  
>You can get it down to microwatts if you detune the  
>driver! It is real inefficient, though. Who cares if  
>you're having fun.  
>

-----  
Date: Sun, 19 Sep 1999 20:16:51 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <SMurph555@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50770] Re: A Half-Wavelength Is.....  
Message-ID: <002d01bf0305\$d2bd3bc0\$1e32c0d1@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Cal, the difference may be due to factors other than material. I recently extended a wire dipole which had been cut (per the formula) for 6 meters, to make it resonant on 15 meters. It's made of copperweld antenna wire, uninsulated. I cut it per the formula to resonate at about 21.200 - but it turned out to be actually resonant at about 20.800 per my 259B analyzer.

The previous configuration had been right on per my calculations, so how did this one get so far off? The ends of the antenna are now much closer to their mounting supports. On one end, it's within a couple of feet of my tower which serves as the tie point. The other end (and tie point) is about the same distance from a tripod mounted ten foot mast topped with a 6 meter Ringo. Oh yes, the antenna is suspended about ten feet over the peak of my roof. So, the thing is being detuned by the close proximity of metal near the ends. Gotta get back up there and cut some off the ends...

Dan WB5TKA

-----Original Message-----  
From: SMurph555@aol.com <SMurph555@aol.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Sunday, September 19, 1999 7:52 PM  
Subject: A Half-Wavelength Is.....

>Hi all,  
> I've been building a half-wave dipole for 30M, using #22 stranded wire  
>with plastic insulation. I originally cut it a bit long, with the intent  
>of  
>resonating the antenna using my Measurements Inc. Model 59 grid-dip meter,  
>coupled to the center point of the antenna, to check its resonant  
>frequency.  
> To make this measurement, I strung the antenna as a flat-top at about  
>8  
>to 10 feet above ground. I arranged a bit of the wire in a 3/4, or so,  
>turn  
>loop about 1.5 inches in diameter in order to increase the coupling to the  
>grid-dip meter's coil.  
> With the original length, a bit shy of 48 feet, I think, I measured a  
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>each end and the resonant frequency moved to about 9.8 MHz. Trimming a  
>further eight inches from each end brought the resonant frequency to about  
>10.15 MHz. The overall length of the dipole was now about 44 feet and 7.5  
>inches (44.625 feet).  
> The length of 44.625 feet, to achieve resonance at 10.15 MHz, implies  
>that, rather than the usual  $468/f$  formula for a half wavelength using this  
>22  
>gauge, plastic insulated wire, a closer approximation is  $453/f$ .  
> Sources of error include the low height of the antenna during the  
>measurement, the frequency accuracy of the Model 59 grid-dip meter, the  
>presence of an aluminum step ladder near (top about two feet away from) the  
>feedpoint-to-be, and the presence of a 190 pound object composed mainly of  
>water (me) about three feet from the center of the antenna.  
> I would appreciate comments from others who haunt the QRP-L. The  
>thought in posting was that this information might prove useful to others  
>making light, portable dipoles and inverted vees for the high frequency  
>bands.  
>72/73  
>Cal K4JSI

-----  
Date: Sun, 19 Sep 1999 18:29:44 -0700 (PDT)  
From: Christian Void <cvoid@netcom.com>  
To: qrp-l@lehigh.edu  
Subject: [50771] how to sign district and qrp?  
Message-ID: <Pine.3.89.9909191800.A9093-0100000@netcom6.netcom.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

so, is there a "proper" way to sign both a district and qrp? i now reside outside of 6-land and was wondering about that. would i sign kf6ihu/9/qrp?

thanks in advance es 72/73

-----  
Date: Sun, 19 Sep 1999 21:59:45 -0400  
From: "williswonkas" <williswonkas@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50772] Thanks  
Message-ID: <017101bf030b\$d1fb63a0\$3771fed0@oemcomputer>

Thanks to the many who gave me advise & info on the small beams. I wasn't the only one wondering.HIHI.

For now I think i'll try to build a wire Moxon Rectangle for 10 meters. If I suceed I may try the tribander.

Thanks Again

Ken KG4BIG

-----  
Date: Sun, 19 Sep 1999 21:08:48 -0500  
From: "Joe Spencer" <joes@tcjc.cc.tx.us>  
To: "QRP-L Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50773] QRP Afield 1999 from TX  
Message-ID: <033d01bf030d\$13e81be0\$6c00430a@vectra>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

QRP AFIELD 1999; Another great event!

Barbara KK5QA, the daughter and grandkids camped out at Joe Pool lake here near Arlington, TX. Friday night through about noon on Sunday.

Worked the whole event along with Don N5YAK as K5RAC (Radioactive Camping/Contesting Club) Saturday and 7-10:30 am Sunday. Stayed on 20M....lots of stations there, mostly in the same spot! :)

Sunday, 20 M was noisy here but still managed a few for the bonus round.

25 QSO's On Saturday

7 QSO's on Sunday (5 were /p)

73 Joe KK5NA

-----  
To run from your demon is to have him pursue you.  
It is better to meet him in his world, than to face him in yours!  
-----

Visit the RACC QRP Home Page at <http://www.k5rac.org>  
Visit the FISTS Web page at <http://www.FISTS.org>  
Visit NORTEX QRP Home PAGE at <http://www.quadj.com/nortex.htm>

-----  
Date: Sun, 19 Sep 1999 20:39:40 -0600  
From: "Dave Ek" <ekdave@earthlink.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [50774] QRP Afield is a bust, but trip is great for AB0GO  
Message-ID: <002101bf0311\$644f28e0\$47a4fc9e@ekdave>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Gang,

Left on a super hike yesterday morning with two non-ham friends.  
Destination: an as-yet unchosen campsite along the Goose Creek Trail in the  
Lost Creek Wilderness in Colorado. This was a regular backpacking trip  
during which I hoped to play a bit in QRP Afield.

The weather on Saturday was wonderful, and we found a campsite about 3 PM.  
After pitching the tent I dragged out the SW+40 (yeah, I know, 20m would  
have been a better choice, but I'm between 20m backpack rigs right now), the  
ZM-2, and a distributed capacitance twisted loop antenna (it's a small loop  
made from 300-ohm twinlead that I made a while back for hotel use--I thought  
I'd give it a run outdoors to see what it could do). I hung the loop antenna  
up in the tree about 8 feet (yes, I know, that's not high enough) and  
proceeded to tune up using the ZM-2. The SW+40 immediately sprang to life,  
and I heard mostly nothing on 40m. So, I shut down and took care of a few  
other things. Came back, powered up the SW+40, and my freq-mite was not  
working! AAUUGGHHH! A ten turn pot but no calibration chart--I had no idea  
what frequency I was on, and I couldn't find any QRP testers to put me in  
the right ballpark. I hunted for a while for some other QRP Afield'ers but

had no luck and gave up for other things. :-(

Gave the band a try again late in the evening, calling a few CQ'ers, but got no takers. Sometimes QRP is like that, so I hit the sack. Sunday morning I tried again to find the /p stations on 40m but heard none. Called a few times myself to see if there were any takers, but couldn't tell if I was close to 7.040 and no one answered. So, zero, nada, none, zilch qso's for me this trip.

But we got in some great hiking and camping! 'cept for the rain during the last hour and a half hike back to the trailhead. Now to figure out what I did to my freq-mite...

72,

Dave AB0GO

-----  
Date: Sun, 19 Sep 1999 21:43:12 -0500  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [50775] NE40-40 Instructions  
Message-ID: <v04210120b40b4f3ba3f4@[192.168.1.1]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Hi there.

Does anybody out there have the assembly instructions for the NE40-40 transceiver? I need a copy and would pay the duplication and postage costs.

Thanks.

++Steve, N8HSC

-----  
Date: Sun, 19 Sep 1999 21:48:06 -0500  
From: Lee Bahr <bahr521@earthlink.net>  
To: qrp-1@Lehigh.EDU  
Subject: [50776] 2N2/40 Crystals  
Message-ID: <37E5A066.8A2AEAE8@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I am posting this input because it may be helpful to someone thinking of building a 2N2/40 rig and is confused about the crystals. I had a talk with Jim Kortge, K8IQY about crystals for the rig some time back in time.

I had initially ordered some FOX brand crystals from Mouser and Jim told me to stay away from them because of low Q. Jim told me he had tested all 4 brands of crystals from Mouser and that the best ones for Q were the VISHAY (Dale) crystals Mouser sold. They were just slightly more expensive than the FOX brand but still inexpensive. So, I took his advice and ordered some VISHAY brand crystals.

The part number you want to order is: 73-XT49U491-S. This is a VISHAY (Dale) brand SERIES LOAD capacitance crystal cut for 4.9152 Mhz, and mounted in a HC-49/U case.

The 1-9 price is: 53 cents each

The 10-99 price is: 44 cents each

The 100+ price is: 40 cents each

Mouser's toll free number is: 1-800-346-6873

One extra side benefit, I had initially sorted the FOX brand crystals I had purchased and they were all over the map frequency wise. When I sorted the VISHAY brand, I found the frequency tolerance a lot tighter too. So, you don't need as large a sample to come up with crystals that match if you by VISHAY brand crystals.

I hope this helps cut down the learning curve.

Lee Bahr w0vt Houston, Texas

-----  
Date: Sun, 19 Sep 1999 21:50:49 -0400  
From: k5xu@concentric.net  
To: <qrp-1@lehigh.edu>  
Subject: [50777] Antenna Article from CQ  
Message-ID: <013d01bf030c\$3eb4f240\$1c4aadce@mike>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A few years ago, I remember someone showing me an article for building a single band vertical by winding wire around sticks of PVC pipe. Several bands were shown, including 30 meters, the one which interests me most at the moment.



This article was in CQ Magazine. I believe it was somewhere between 1990 and 1993.

If you have a collection of CQ Magazine, please tell me which issue this article appeared in at your convenience.

Mike Duke, K5XU, president,  
Mississippi Council of the Blind

-----  
Date: Sun, 19 Sep 1999 22:58:43 -0400  
From: S LYON <sslyon@worldnet.att.net>  
To: qrp chat <qrp-l@Lehigh.EDU>  
Subject: [50778] QRP-A a Great Event! (long)  
Message-ID: <37E5A2E3.D44A69D9@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

We spent way too much time prepping for camp-out -still wasn't enuff. Haven't done this in way too long, esp. w/XYL. (note capitalization) Sharon had a new book, I had one DSW-20(<2w), one SWL 40+,(<4w) a Rainbow Tuner, B-flat modified Z-Match and a 20m EDZ Lazy-H. (per W4RNL, of course) We didn't get to where we'd hoped due mostly to residue of Floyd, but did find a nice (clandestine) site up the Hudson with a clear shot S-W and some trees.

Got on the air, exhausted (blood loss) by 4:30pm local -intermittently. (Had to assemble camp, cook, all that stuff promised to make this a good time for both.) Lazy-H is simple in concept, but not easy for portable w/o help and optimal supports in the clear -definitely NOT the case here. (Did I mention mosquitoes?) Lower element only 15' off the ground.

20m was absolute bedlam..."hard to find a seat" as someone said... sounded like CW-Sweepstakes. Hear 1st & 2nd skip zones easily -almost no locals. Note for next outing: bring an alternate "simple" wire; "H-Zepp" maybe too much of long gun. Couldn't believe the sub-watt folks! W4EEX, NF9K, W5RXP, W5JAY... Got kinda discouraged by bullying by horde of (perceived) "FT-1000-D @ '5W' to 3-el beam at 150' " -ers. Note #2: pay attention to ergonomics. Wrong table/stool ht + mosquitoes = agony, lousy cw & psychotic episodes. (tent too small for all)

Sunday morning lovely and 45-ish. Ritual necessities plagued by blood-sucking-sub-arctic-stealth-darts. On 40m by 6:45(local) and all I

hear is QRO CQWC & FISTS! 7:30.... nothing... 8:00 finally wrk K8CV to break the near-ice, then the MW guys arrived and things began to perk. 40 seemed good, how's come such lo activity? Go to 20m and still lo activity til 10-ish. Got ears blowed off by K5KW at 750mw -true 599! (What's your antenna?!) Stuck with it and liked the lower activity better than bedlam Sat.

I'm quite new to QRP but think this is a great event. (Thanks Dave + NEQRP) The bonus extention is a good idea and should be more poular as the group gets used to it and we can plan ahead.

Saturday: 20m 33 Q's, 23 S/P/C's Finished with nice rpts from W6, VE6

Sunday : 40m 22 13  
20m 27 17  
=====

82 Q's

72  
-s-  
--

'Seab' Lyon - AA1MY  
Beacon NY USA FN-31  
QRP-L 574 ARCI 9253

-----  
Date: Sun, 19 Sep 1999 22:12:09 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <k5xu@concentric.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50779] Re: Antenna Article from CQ  
Message-ID: <001a01bf0315\$ee240dc0\$22ff10d1@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Did I read or hear somewhere that there may be losses of some sort when using PVC as parts for antennas? I see a lot of reference to PVC being used as various components in antenna construction. Wonder what the circumstances are which may present problems? If there really are any problems...

Dan WB5TKA

-----Original Message-----  
From: k5xu@concentric.net <k5xu@concentric.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Sunday, September 19, 1999 9:57 PM  
Subject: Antenna Article from CQ

>A few years ago, I remember someone showing me an article for building a  
>single band vertical by winding wire around sticks of PVC pipe. Several  
>bands were shown, including 30 meters, the one which interests me most at  
>the moment.  
>

-----  
Date: Sun, 19 Sep 1999 20:23:28 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@lehigh.edu>  
Subject: [50780] Qrp Afield Report From KI6DS  
Message-ID: <01bf0317\$82612940\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Boy was it fun Saturday!! I only got to operate for 3 hours, as my two daughters came home to celebrate their birthdays, and I was not allowed by "she who must be obeyed" to go to the school yard to set up. So, I set up in the front yard. The equipment was a NorCal 20 for 20 meters and a Sierra for 40 meters. (Planned on using the DSW40 but can't find it!!). The antenna was a SLX that was mounted on a 10 foot high closet pole, with 6 sets of SLR all running parallel and pointing straight east. I guyed the wooden closet pole, and timed how long it took to set up the antenna. The total set up time was 10 minutes!! I used speaker cord for feed line, and my trusty ZM-2 tuner. Had a blast. Made 35 qso's in 3 hours, 33 on twenty which was up and down all day but it was fun to see the band lengthen out. Worked the near stations early, then the Colorado & NM gang, then the Texans, then capped it all off by catching K7SZ in PA. Boy Rich, your rig sounded sweet. What were you using for a rig and antenna? I laughed as I heard Rich running a pileup!! But I got him first call. Most of the stations I worked were on the first call, with a couple that I just couldn't get. One of those was N6MM.

The 35 QSO's represents an all time high for me in a QRP Afield activity. I really liked the SLX antenna. It works. I went inside and listened on my Icom 735 and Skelton Cone up 45 feet. I could not hear the weak ones in there like I could with the SLX, so the vertical was working. The first time that I saw the SLX was when Dave Gauding, NF0R set one up at Dayton so

Wayne Burdick and Eric Swartz could demo the K2. Their first contact was with Germany!! I was convinced. I built one and have used it several times on camping trips, but this was the first time that I have used it in a contest. Great fun, and thanks to Dave Benson for running this one and keeping it alive!! It is the oldest "To the Field Contest" and was the brainchild of Jim Fitton, W1FMR and the New England QRP Club. Ok, now for my score:

I was running 5 Watts with the NC20 and 2 Watts with the Sierra, so I assume that I claim 5 Watts for 2 points per qso. Then I had 13 SPC's. Ok here I go, but if I mess this up, somebody help me ok??

35 X 2 = 70 x 1 (home) x 13 SPC's for a total of 910 points. Is that right? Doesn't matter, because I already won!! I had won because I had such a fun time on the air. Worked several from this list, including K7TQ, AA5B, KI0II, AE6TT, KD7S, K8CV, N6WW, K5KW, K5ZTY (loud!!), K5LN, K7SZ, VE6NJK. Heard WE6W, but couldn't get my call in the time that Ed was listening!! Boy Ed you were sending fast!! Called you several times, but could not get in there.

I'm not much of a contester, but I love these events. We need more of them!! I too think we ought to have a milliwatt contest. How about a "QRPP at Home" one, during the winter months??? Say 6 hours on a Saturday, and the power limit is 1 Watt!!

72, Doug, KI6DS

-----  
Date: Sun, 19 Sep 1999 21:16:52 -0600  
From: "Dick Schneider" <dschneider2@uswest.net>  
To: "cqclist" <cqclist@cqc.org>, "QRP-L" <qrp-l@Lehigh.edu>  
Subject: [50781] QRP AFIELD/WYOMING  
Message-ID: <001b01bf0316\$96077c20\$bd9ca0d8@dnvr.uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The W0CQC/7 team (W0HEP & AB0CD) successfully fought surly ranchers, a touchy RV engine, wind, rain, snow, mud and militia exercises to put Wyoming on the air during QRP Afield. Bands were rough but we were happy to put WY/QRP into other QRP Afielder logs about 94 times.

72 Dick AB0CD & Rich W0HEP..

-----  
Date: Sun, 19 Sep 1999 22:23:41 -0500 (CDT)  
From: "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>  
To: qrp-1@lehigh.edu  
Subject: [50782] Twinlead Hardware (was Feedpoint construction)  
Message-ID: <Pine.LNX.4.04.9909192213420.15852-1000000@divis17.ped-gen.uiowa.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

hi.

i got some nice responses, but i must not have phrased my question quite right. sorry.

What types of hardware (screws? clamps? clips?) do people suggest using for physically attaching copper twin-lead (windowed line) wires to aluminum tubing of a vertical antenna (permanent).

thanks.

--adam, ak0p  
adam-kanis@uiowa.edu

-----  
Date: Sun, 19 Sep 1999 22:26:52 -0500  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: ekdave@earthlink.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50783] Re: QRP Afield is a bust, but trip is great for AB0GO  
Message-ID: <008901bf0317\$fc362040\$c337a497@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="Windows-1252"  
Content-transfer-encoding: 7bit

Dave,

I would gladly trade my QSO's from my garage to your "zero, nada, none, zilch qso's" and a hike up the mountains! I make it to the mountains about one a decade if I'm lucky.

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Sun, 19 Sep 1999 23:38:58 EDT  
From: KG8L@aol.com  
To: qrp-l@lehigh.edu  
Subject: [50784] Marking Knobs  
Message-ID: <b839e04a.25170652@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hopefully this won't resurrect an old (but recent) thread, but I thought it was worth bringing up because the subject seemed to create quite a bit of interest lately. Yesterday, while building my TenTec 1340, I needed something to index the main tuning knob with. I searched for white out, nail polish, paint, and everything else to no avail. My attention then turned to my wife's 'scrapbooking' stuff. I quickly found one of her 'special' pens. It was silver metal flake and because I remembered her saying those pens were quite 'juicy' I thought I'd give it a try. It was \*PERFECT\*! It produced a fine, shiny silver line, was very neat and easy to control and apply. When she got home I inquired about the availability of other colors and she assured me they are available in a variety of colors (including white). The particular one I used is distributed by 'Creative Memories' which is sold only in home shows, but similar types are available in craft stores such as Franks. Look in the 'scrapbooking' section.

72/73 es happy indexing,

Mike  
KG8L/5  
Wichita Falls, TX

-----  
Date: Sun, 19 Sep 1999 22:42:27 -0500  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: dandoooley@pipeline.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50785] Re: Antenna Article from CQ  
Message-ID: <009f01bf031a\$2960b560\$c337a497@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

The limited experience I have with PVC material for antennas indicates it is not so much a loss issue as it is a voltage handling capability issue. For example, when using a shortened (high Q) antenna the voltage at the high

impedance ends can become very high. At moderate QRO levels I have had the PVC breakdown and develop permanent carbon tracks that ruin the future performance. Also, if a rather lossy coil is wound on PVC then heat from the coil can easily melt the PVC. Of course at QRP levels neither one of these problems should be an issue.

I do not know what the actual RF losses are at HF but they seem to be negligible. If someone has actual numbers that would be interesting.

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Sun, 19 Sep 1999 21:09:00 -0700  
From: w6ra <t-ranch@humboldt1.com>  
To: QRP-L@lehigh.edu  
Subject: [50786] QRPA from NW Calif.  
Message-ID: <3.0.5.32.19990919210900.0082c830@humboldt1.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Really enjoyed QRPA. I chose to operate in the field but in my own neck of the woods. Using a 100' tape I didn't find any suitable places at the 500' minimum distance required from my home, so I chose a spot on a neighbor's property about 1500' from home. My location is about 8 miles south of Eureka and 5 miles west of the "Headwaters Forest". I hastily soldered up a 60' dipole fed with 40' of cheap twin lead. At the site I hung the dipole with one end 30' up a young redwood tree, with the other end 8' up in some brush, so it was sloping NE. (thoughts of working NH!) When I tightened the slack, the 20 ga. stranded wire on one dipole side broke at both the center and end insulators. I had used one black wire, and one yellow for easier untangling and it was the yellow that broke, rotten wire I guess. Went home & this time used 12 ga. wire both sides. Finally got on the air about 45 min. late and promptly worked WA7LNW, who gave me a 339, not encouraging. But I was running under 1 watt, and better reports were soon to come. Calling CQ on 20m got me only one response so it was tune and pounce for the most part, except on 40m where I got good reports. Operated until 2300z and managed 32 qso's, mostly on 20, where the conditions were good but qrm was heavy. The dipole would not tune on 15 meters so I tied the twin lead together and tried it end-fed, and managed only 1 qso, a 339 from N0UR so it was back to 20.

Worked 13 states, with the most qso's with NM at 6 total. The farthest

east was MI & TN. AK, HI, OR & WA not heard. I did hear 2 or 3 stations from the Northeast but they didn't hear me.

Equipment used: venerable TT Argosy I, 7 ah gell cell, Dentron Jr. tuner, 60' dipole fed with 300 ohm twinlead. Power was set to just under 1 watt using a Daiwa CN-101L.

Stations worked:

WA7LNW	W5RXP	K0FRP
K7TQ	AD6IU	W0CQC
AA5B	WA5WHN	K8CV
NQ7X	N0RC	N40D
AF5Z	W0YSE	W5VBO
K5KW	W7TFT	W5JAY
WK8S	AD6GI	AA5B
W5RXP	AE6TT	K0EVZ
K5NU	KD7S	N0UR
WE6W	KI7MN	
N6WG	WA8RXI	

72, Randy W6RA Eureka, CA

-----  
Date: Mon, 20 Sep 1999 00:23:43 -0500  
From: mjfitz@uswest.net  
To: QRP-L Posts <qrp-l@LEHIGH.EDU>  
Subject: [50787] QRP AFIELD IA  
Message-ID: <37E5C4DF.F4AB5D85@uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wow!

Had a great time Sat. in the contest. Beautiful day. Set-up in state park near Onawa, IA on a ridge at one of the highest points in western IA, using a two-band (20/40M) inverted-vee in tree. K2 worked great (should be outlawed for contests me thinks...). Ran at 5 W for the full six hours, just taking a break for the "bare" necessities...

Ten meters was dead, but managed a total of 108 contacts on 15, 20, and 40, with the majority on 20 (71). Worked many good operators and want to thank them all for the great time! That was FUN. Did I say beautiful day?

Mike NOMF



Missouri Valley IA

-----  
Date: Mon, 20 Sep 1999 01:24:19 EDT  
From: ka7you@juno.com  
To: QRP-L@LeHigh.EDU  
Subject: [50788] WTB Early Ten-Tec 509 schematic  
Message-ID: <19990919.222652.18287.10.ka7you@juno.com>

I'm looking for a copy of the schematic for the control board for an early Ten-Tec 509, which apparently uses a T/R relay instead of the later pin diode circuit.

I apparently have an early 509, but a later manual.  
Thanks,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.  
160M thru 1296 MHz-higher bands pending  
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

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-----  
Date: Mon, 20 Sep 1999 01:24:19 EDT  
From: ka7you@juno.com  
To: QRP-L@LeHigh.EDU  
Subject: [50789] Long-term test of battery maintainer  
Message-ID: <19990919.222652.18287.9.ka7you@juno.com>

Many months ago, when Harbor Freight brought out the little Battery Maintainer (Cat No. 37137), I was skeptical of the claims they made for it. The literature says "Maintains batteries from 5 to 125 AHr. But I'm a battery power enthusiast, all the way up to electric powered automobiles and forklifts, so I went for it.

After many 'solar power challenged' months of testing, including the long term Seattle Rain Festival which runs from late October thru June most years, I bought a second one for the now low sale price of \$7.99.

It is a great little addition to my mostly battery operated station. I have two sets of 100+ AHr telecommunications batteries, two paralleled old deep cycle RV batteries (group 27's), and various 12 volt SLA (sealed lead acid) batteries from 4 to 25 AHr.

The little battery maintainers will bring any of them, except the paralleled pair of old RV batteries, to 13.5 volts and keep them there.

This voltage should be below the level required to begin gassing and therefore evaporation of the electrolyte. I have a dedicated voltmeter and milliammeter in line with the battery maintainer, and can watch the charging current, of the smaller batteries, go right down to just a few milliamperes, as the terminal voltage rises to 13.5 volts. In the case of the two large RV batteries, which have outlived their usefulness in the RV, the charging rate never gets much below about 150 milliamperes. However, considering their size and condition, that is not unreasonable.

You do have to be careful when first attempting to charge a large low battery pack, because the current capacity is limited to about 500 ma. and it gets pretty warm at that level, but no harm seems to be done if it has adequate air circulation. I've tried to over heat it (inadvertently) a couple of times now (once the plastic actually distorted a bit), and it seems have survived OK. It also seems to be current regulated, to not exceed the 500 ma. charging rate.

Next will be to open one up, and see what must be done to use it as a charge regulator for a small solar panel, or to slow charge a battery from an automotive system. The supplied wall wart transformer is rated at 15 volts AC at 600ma, so it should probably handle the 18 to 20 volts DC from a solar panel. The only complaint is that the ripple of the output is pretty severe, and definitely makes itself known in the received audio and probably in the transmitted signal as well, if a transceiver is connected at the same time. As a result, some additional output filtering may be in order to allow its use while a transceiver is connected to the battery being charged.

I would suggest anyone with a main or backup battery system might be interested in this small light and inexpensive charger/maintainer, which can be left on the battery pack for extended times, with no danger of overcharging or overheating the battery.

I have no connection to Harbor Freight, other than having been a occasional customer for about twenty years.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

160M thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

-----  
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-----  
Date: Sun, 19 Sep 1999 23:28:15 -0600 (MDT)

From: James P Rybak <jrybak@mesastate.edu>

To: qrp-l@lehigh.edu

Subject: [50790] Chuck Adams' New URL ???

Message-ID: <Pine.OSF.4.10.9909192327170.28850-1000000@mesa7.mesa.colorado.edu>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone please tell me the new URL for Chuck Adams' web site?

Thanks.

Jim WOKSD

-----  
Date: Mon, 20 Sep 1999 00:07:42 -0600  
From: Jeff Francis <jfrancis@frii.com>  
To: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50791] Re: Antenna Article from CQ  
Message-ID: <19990920000742.A28469@geek.noducks.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I once had someone tell me the following (thought I can't honestly even remember who), and it sounds reasonable. Some PVC is 100% plastic. Some has impurities. Sometimes, even when buying a half-dozen pieces together, some is "good" and some is "bad". The trick is to cut off a small piece and pop it in the microwave along with a cup of water (so you don't burn up your magnetron). Turn on the microwave for a few minutes. If the piece of pipe gets hot, toss the entire length you cut it from, and try again. If it stays pretty cool, it's probably ok for antenna use. No guarantees, but it sounds logical.

On Sun, Sep 19, 1999 at 10:42:27PM -0500, Steve Yates, AA5TB wrote:  
> The limited experience I have with PVC material for antennas indicates it is  
> not so much a loss issue as it is a voltage handling capability issue. For  
> example, when using a shortened (high Q) antenna the voltage at the high  
> impedance ends can become very high. At moderate QRO levels I have had the  
> PVC breakdown and develop permanent carbon tracks that ruin the future  
> performance. Also, if a rather lossy coil is wound on PVC then heat from  
> the coil can easily melt the PVC. Of course at QRP levels neither one of  
> these problems should be an issue.  
>  
> I do not know what the actual RF losses are at HF but they seem to be  
> negligible. If someone has actual numbers that would be interesting.  
>

> 73,  
> Steve Yates - AA5TB  
> Fort Worth, TX - EM12gs  
> http://home.swbell.net/aa5tb  
>

--

Jeff Francis - KC0BWS		Ack!
Level Three Communications		____/
Denver, CO USA DM79nr	You cannot strengthen the	\ o.0
	weak by weakening the	=(_)=
39d43m16.4s N 104d52m10.7s W	strong.	U
jfrancis@frii.com jeff@l3.net	--Unknown	
http://www.frii.com/~jfrancis		PRR...

-----  
Date: Mon, 20 Sep 1999 02:39:32 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: QRP-L Reflector <qrp-l@lehigh.edu>  
Subject: [50792] Murphy Visits N4BP  
Message-ID: <Pine.3.89.9909200224.A24165-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Murphy is a very infrequent visitor of mine, but did me in big time this past weekend! It all started while loading up the car for the drive down to the middle FL Keys. Somehow, while carrying the ice chest to the car, I severely twisted my back and haven't been able to stand up straight since. The rest of the trip down was uneventful and the setup went smoothly in spite of the pain. I pitched two tents, erected the trap vertical, and set up the K2 and computer. At this point, I was lulled into a false sense of security. After the first 30 QSOs, the computer locked up and even rebooting it wouldn't straighten it out. So, for the first time in several years, I went to paper logging. My marine battery had apparently been overcharged and run dry once too often as the K2 indicated the voltage at about 11.3, dropping to 10.9 under load. Fine for the K2, but not for the notebook. I was surprised to find the KOA campground nearly deserted. Late Saturday night, I discovered why. Fortunately, it was after the six hour sprint ended that the sky opened up and we experienced the most violent thunderstorm we've ever seen. Later, during the drive home, we heard that we had experienced the wrath of "Harvey". My grandson's tent did OK, but with the continuous heavy downpour, the tent that my XYL and I used wasn't up to the task of sheltering us from the rain. By moving the air mattress around, we were able to keep reasonably dry, but the thunder and close lightning strikes kept us awake all night.

Noise sources during the sprint included the solar stuff that Paul Harden predicted for 20 Meters, electrical ignition noise from boats at the campground, and audible noise from motorcycles all weekend during the annual "Poker Run". I'm a biker myself and did the Poker Run a couple of years ago, but this got downright annoying. Anyhow, got through the six hour sprint with a reasonable score (yet to be determined from a combination of computer and paper logs). The Sunday morning bonus went well except for one short, but intense storm. I shielded the K2 with the pad that I had been using for logging, and the computer with my body. After three cups of coffee and two Excedrin, my pounding headache finally went away and I could concentrate on my back pain. Worked many people on the "list" and I thank you for the QSO's as it made it all worthwhile. DX worked included Greenland, Germany, and Ukraine. Worked many miliwatters, some with outstanding signals. 10 Meters was disappointing but 15M, I think, turned out to be the bread and butter band. Enough rambling.. Got to get out of the chair and keep moving. I'll probably go see my XYL's chiropractor tomorrow.

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
 -----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
 Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>  
 Brass Pounder BBS: (954) 472-7715

-----  
 Date: Mon, 20 Sep 99 01:03:01 -0600  
 From: Jack Reed <wa7lnw@infowest.com>  
 To: "Dave Benson, NN1G" <nn1g@earthlink.net>, "QRP-L Reflector" <qrp-  
 l@Lehigh.EDU>, "Jack Reed" <wa7lnw@infowest.com>, "Gary Capek"  
 <gcapek@GETNET.COM>,  
 "Ron Schmidli" <quantum6@uswest.net>, "Daniel Farwell" <w8eqa@msn.com>, "Tom  
 Whalen" <wb5qyt@eFortress.com>, "Ken Brown, N4SO" <n4so@juno.com>  
 Subject: [50793] QRP-AFIELD LOG de WA7LNW/P Utah  
 Message-ID: <19990920065855.DD90220F24@infowest.com>  
 Mime-Version: 1.0  
 Content-Type: text/plain; charset="iso-8859-1"  
 Content-transfer-encoding: quoted-printable

WA7LNW/P Cedar Breaks National Monument, Utah

QRP-AFIELD '99 Summary

Q's

20m	=3D	96
40m	=3D	15

Total Q's	=3D	111
-----------	-----	-----

#### Scoring Summary

Q pts	=3D	302
Mults	=3D	59
Pwr Mult	=3D	2

Clamied Score =3D 35,636 (302 x 59 x 2)

Jack Reed, WA7LNW  
Single Op / Portable  
Cedar Breaks National Monument, Utah  
Elevation 9,300 ft

---

#### COMMENTS:

Great outdoor location at 9,300 ft elevation, over looking Cedar =  
Breaks National Monument, and Brian Head Peak towering some 11,370 ft.

My campsite was surrounded by stands of 50-70 ft. aspen trees covered =  
with bright yellow autum leaves. I chose to located at the very edge =  
of the mountain...right above a large lava flow...giving my signal =  
clear take-off to the north and northeast and giving my operating =  
position a terrific scenic view.

It was your typical mountain top QRPing experience...wind, lightning, =  
rain, snow, followed by calm winds, sunshine and a spectacular sunset.

Had to stop for 1/2 hour when lightning strikes began hitting all =  
around me. I think I was more concerned about protecting my beloved =  
QRP transceivers than my own safety....hi!!

Fall was definately in the air. So were a lot of QRP signals.

See my complete log below.....

- - - -

STATION: NC-20 @ 3 watts.....20 meters  
HW-7 @ 2 watts.....40 meters

ANTENNA: Single Wire Delta Loop @ 30 ft...20 meters  
Longwire & ZM-2 tuner.....40 meters

POWER: 12 amp hour gel cell

- - - -

SATURDAY LOG: Conditions were rather good considering the =  
propagation forecasts.

- - 1800 UTC - -

AF5Z TX

K=D8LVV MO

N4SO AL

K=D8PC MN

WA=D8ZPT SD

N2CQ NJ

N6WG CA

K4ZM AL

W6RA CA

W7MOB WA

K5RAC TX WX - rain, wind and snow

W8RIK OH

AA5TB TX

KF4KSM FL

NQ7X AZ 40

KD7S CA 40

K5KW OK

WK8S MI

AB5UA OK

- - 1922 UTC - -

VE5QRP SK

N4ROA VA

W7CD WA

K7TQ ID

KA3LOC/=D8 KS

K8CV MI

K5AAR OK

N=D8MF IA

W=D8AV MO WX - sunny

AB8DF MI

WB=D8RXF	SD	
K=D8EVZ	ND	
W4ED	GA	
K5LN	TX	
WK8H	MI	
CX9AAK/W2	NY	
AE4IC	NC	
N5URL	OK	
N=D8UR	MN	
VE3ABT	ON	
- - 2112	UTC	- -
NF9K	MN	
W4DEC	AL	
W8IZZ	OH	
K5W0	TX	
KI7MN	AZ	40
AE6TT	CA	40
KD1JV	NH	
W1PA	MA	
WA8RXI	MI	
W4EEX	KY	
WW5XX	TX	
K9PX	IN	
KK5KU	AR	
WA2NCF	NY	
N2WG	NY	
KV2X	NY	
- - 2224	UTC	- -
N6MM	CA	40
AA5B	NM	40
W5JAY	AR	
N4DD	TN	
WA8ZBT	TX	
N4BP	FL	
AA1MY/2	NY	
W=D8RSP	SD	
WD7Y	NV	40
K7SZ	PA	WX - partly cloudy, windy
KB9LGJ	MN	
K5ZTY	TX	
WB5QYT	NM	40
W6RCL	CA	40
KD7AHO	AZ	40
W4BW	NY	
- - 2400	UTC	- - END OF SATURDAY "Great Sunset!"

DX RUN ON 20 METERS



- - 0142 UTC - -  
OH=D8X  
SI9AM  
OH5LF  
OH2U  
OH8LQ  
OH8LAE  
- - 0152 UTC - -

SUNDAY "PORTABLE OPERATION" LOG

- - 7:55 AM - -

AC5K TX woke up early..fell back to sleep...over slept =  
by one hour....oops!

AA5B/P NM 40

KI=D8II CO 40

W=D8CQC/P WY 40 WX - windy and COLD morning on the =  
mountain...brrrrrrrr!

K6VRS CA 40

K5LN/P TX

K9HWL MN

W4EEX KY

W4ED GA

KF2HC NJ

WA8ZBT TX

K5KW OK

KK5KU AR

K5AAR OK

K5RAC/P TX

- - 8:40 AM - -

NF=D8R MO

WA=D8GBR NE

AA1MY/P NY

N=D8AR MN

K5ZTY TX

W8RIK OH

WZ2T NY

K4ZM/P AL

N8NRG MI

N2CQ NJ

K8CV MI

AB8BT MI

K=D8EVZ ND

N4SO AL

N=D8UR MN

KB1DDT MA

WA5BDU AR

WE6W CA 40

W7CD/P WA  
W=D8AV MO  
VE3VA ON  
KD7BUQ WA  
K7UU WA  
KX7L WA  
N2CU NY  
- - 11:00 AM - -

After breaking camp....and cleaning myself up a bit....

I celebrated the end of this great QRP AFIELD weekend by dropping =  
into the Brian Head Annual October Fest for a hot meal some =  
entertainment and a cold one.....ahhhhhh!

See everyone in the Fall ARCI QSO Party...then again next year in the =  
QRP AFIELD '00

72's de Jack, WA7LNW

-----  
Date: Mon, 20 Sep 1999 07:28:16 -0400  
From: "Norman A. Jackson" <nvj@megalink.net>  
To: qrp-1@Lehigh.EDU  
Subject: [50794] SLX  
Message-ID: <3.0.6.32.19990920072816.007c1a30@megalink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Would someone please share with me how to construct the SLX antenna?

Thanks in advance.

72,  
Norm/K1NAJ

-----  
Date: Mon, 20 Sep 1999 06:16:21 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: jrybak@mesastate.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50795] Re: Chuck Adams' New URL ???  
Message-ID: <3.0.2.32.19990920061621.00809d90@bosshog.globeco.net>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Jim,

Here's it is...

<http://www.qsl.net/k7qo/>

>Can anyone please tell me the new URL for Chuck Adams' web site?

Chuck Carpenter, EM22cv, Point, Rains County, Texas

-----  
Date: Mon, 20 Sep 1999 11:08:00 +0100  
From: Hans =?iso-8859-1?Q?=D6stnell?= <Hans.Ostnell@itn.vxu.se>  
To: qrp-1@Lehigh.EDU  
Subject: [50796] Low output on HW8...  
Message-ID: <3.0.6.32.19990920110800.0099e100@epost.vxu.se>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi all!

I few days ago I bought a nice piece of QRP-equipment, the HW-8 from Heath. I got it very cheap, only 700 SEK (roughly about 60 dollars). The receiver works like a gangbuster, but transmitter output is too low on all bands.

I have done the alignments on the 4 trimmer capacitors (one for each band), and peaked the output power on the relative output meter. It reads about two units on each band. When connecting a Bird wattmeter and a 50 Ohm dummy load to the antenna jack it reads a maximum of less than 500mW on each band, when I=B4m peaking the relative output power.

What seems to be the problem here? Is it perhaps bad output cores on all bands or what??

72=B4s de Hans/SM7TUG

-----  
Date: Mon, 20 Sep 1999 08:07:55 -0400  
From: "Mike Yettsko" <myetsko@insydesw.com>  
To: <waltk8cv@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50797] Re: Battery Rating Question .....  
Message-ID: <00ab01bf0360\$d245d980\$9001a8c0@mikey.wn.net>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>I was under the impression that D nicads are really C nicads in  
disguise,  
>all except the Rat shacks ones that consumers research said " really  
had  
>a D cell in there " and they weigh more too.  
>  
>Am I right ..... :-)  
>  
>Phil will know ..... :-)  
>  
>Walt k8cv

This is a common misconception, but not entirely wrong.

A LOT of "C" and "D" NiCads have what is called "Sub-C" cells as  
there cores. This came about for a number of reasons. One of which  
is that Sub-C cells are the 'standard' building block of the industry,  
for things like Norelco razors, electric screwdrivers, etc. To make a  
'real' C cell would be expensive. The sub-C cells are already  
manufactured in great quantity and cheap.

Also, in a lot of applications, if the cell is rechargeable, most  
applications  
wouldn't need a full C or D cell, the Sub-C would 'be enough'.

The two factors combined, price and performance, are what keep the  
Sub-C in carrier market viable.

But they are NOT C or D capacity. There ARE true C and D cells out  
there. The Radio Shack high capacity cells for example, but look at  
the price! And look at the capacity!

Mike Yetsko  
N1DVJ

-----  
Date: Mon, 20 Sep 1999 09:06:49 -0400  
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [50798] QRP AFIELD: From the shores of Lake Ontario

Message-ID: <37E63169.E02A1397@eng14.rochny.uspra.abb.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi gang,

I had a very relaxing time at Webster Park, just east of Rochester, NY on the shores of Lake Ontario. It was just me and my mobile. A few people walked by with funny looks on their faces but nobody stopped by to ask "What are up to??"

Ten meters was dead most of the time, lots of qsb on 15, and 20 and 40 were pretty good. I was suprised that some of the millawatters had stronger signals than the 5 watters!!

I used my IC706 set to 5 watts and a screwdriver antenna.

Score summary:

Band	Qs	SPC
====	====	====
10	1	1
15	10	8
20	11	8
40	14	9
	---	---
Total	36	26

73,

Tom, kv2x

-----  
Date: Mon, 20 Sep 1999 09:03:54 -0400

From: wb2vuo@juno.com

To: qrp-l@lehigh.edu

Subject: [50799] Re: QRP to The Field, Sort of...

Message-ID: <19990920.091926.-191113.1.wb2vuo@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

A note on my earlier post. The 18" DSS dish is more like 4 degrees wide.

However, when a light breeze moves it enough to lose contact, it seems like less than 1 degree.

For those looking for the ultimate in QRP, Down East Microwave will be

offering their 10.368 GHz transverter in a kit form later this year. Right now, they only offer the transverter assembled and tested, this being +10 dBm out with a 0 dBm to +35 dBm drive on 2 Meters.

Check out the esoteric gear at:

<http://www.downeastmicrowave.com>

(I hope I typed that right!)

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp  
My night light runs more power than my Rig!!!

-----  
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Mon, 20 Sep 1999 10:11:17 EDT  
From: GElam30092@aol.com  
To: qrp-l@lehigh.edu  
Subject: [50800] Re: K2  
Message-ID: <342f65e6.25179a85@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

In a message dated 9/19/1999 2:18:56 PM US Mountain Standard Time,  
w5jay@alltel.net writes:

<< QRP is quickly becoming Main Stream, we owe it to  
ourselves and the hobby to promote it so everyone benefits. >>

Exactly.... if you have a ham radio class being conducted in your area, give the instructor a call and ask if you can have half an hour to talk about QRP.

While the k2 isn't exactly inexpensive for a beginner, there's a ton of value there. Gather up some of your equipment and take it to the class. Seems like I ran across a PowerPoint file on QRP (Norcal site maybe?).

Between showing off the equipment that just about anyone can build, the general price points of it, the challenge of QRP and the benefits, you'll attract more folks to the hobby.

Imagine being a new person and someone walks in with a DSW or a K2, a OHR wattmeter, a ZM-2 and a small key and tells you that the stuff is very

affordable, easy to build and will get you on the air! You'll quickly make the point that it doesn't have to be difficult or expensive!

Cheers,  
Gerry  
PHX AZ

-----  
Date: Mon, 20 Sep 1999 10:22:24 -0400  
From: S LYON <sslyon@worldnet.att.net>  
To: qrp chat <qrp-l@Lehigh.EDU>  
Subject: [50801] QRP-A addenda  
Message-ID: <37E64320.A23EC53@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just some rambling thoughts:

- 1.) Did anyone NOT hear N4BP? (B-ack P-ain) Wet or dry... you cranked!
- 2.) Is anyone equipped to record and post a WAV-file (or .?.) of events like this? (Fox, Afield, ...)
- 3.) Based on this event & Fireball, let's do a milli-Watt event. Start w/sprint to eval. interest. Adventure Radio Society has a good head start in this direction in their "Skinny" category. Hopefully, a dedicated mW event would minimize steamrolling them into the QRM/noise floor. New thread: how to crank rigs down.
- 4.) Any tips on how to find DX in these events? Saw only one post of off-continent Q's. (I tried to find 'em)
- 5.) Any interest in a DX-only sprint/event? Dedication here would reduce QRM, ensure DX is there "on schedule" and provide insight/experience re possibilities at QRP/QRP-p levles.

Seems that there are enough of us around the world to positively effect the on-air working environment in a focused effort, or to evaluate the possibilities at least. Sure would be a gass to work G4WIF, G3MFJ and our over-the-pole friends. (yes, I'm aware of absorbtion) Perhaps some exploratory effort would help. (scheds) I do hear QRP G's, DL's & EA's regularly on 20m during my lunch-breaks.  
Thoughts?

72  
-s-

--

'Seab' Lyon - AA1MY  
Beacon NY USA FN-31  
QRP-L 574 ARCI 9253

-----  
Date: Mon, 20 Sep 1999 08:24:29 -0600  
From: Steve Kubisch <WW7Y@sisna.com>  
To: qrp-l@lehigh.edu  
Subject: [50802] Where to find Kester Silver Solder??  
Message-ID: <37E6439D.A06B5595@sisna.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone know of a mail-order source for Kester 2% Silver  
(no-clean)Solder.

Mouser is back-ordered. 2 - 3 weeks.

Kester #24-7150-8800 1 lb spool.

This stuff has been touted by others on the list and is recommended for  
the K2.

--  
Steve Kubisch -WW7Y-  
640 East 250 North  
Centerville, Utah 84014  
WW7Y@sisna.com  
QRP-ARCI #8559 NorCal #258 QRP-L #94

-----  
Date: Mon, 20 Sep 1999 10:25:50 -0400  
From: S LYON <sslyon@worldnet.att.net>  
To: qrp chat <qrp-l@Lehigh.EDU>  
Subject: [50803] SCORING -for us /P's ?  
Message-ID: <37E643EE.11FE7CD1@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit



I'm confused. What get's/doesn't get doubled for Sunday Q's?

72

-s-

--

'Seab' Lyon - AA1MY

Beacon NY USA FN-31

QRP-L 574 ARCI 9253

-----  
Date: Mon, 20 Sep 1999 08:39:43 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>

Subject: [50804] RAC QRP Plaques

Message-ID: <Pine.LNX.3.95.990920083043.28971B-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

The following message is from RAC President, Ken Oelke, VE6AF0...

"Hi Bruce and Fellow QRPers:

Since my initial request to you to see what kind of interest there would be out in the QRP Canada World, to sponsor the RAC QRP categories for both RAC contests, the results have been overwhelming! As I understand, the QRP categories for both the RAC Canada Day and the RAC Winter Contests have been sponsored for 5 years.

To all of you who contributed toward this very worthwhile project, may I please take this opportunity to thank each and every one of you. On behalf of Radio Amateurs of Canada and myself, thank you for your donations! Your generosity has truly displayed the spirit of Amateur Radio as many of us know it.

And Bruce, a big THANK YOU for taking on the coordinating to all of this. I know it took much of your time and your efforts toward all of this were much appreciated by me.

Again, thank you to all and 73.

Ken Oelke, VE6AF0

RAC President"

....thanks again to everyone for all your help in this project!....72 -  
Bruce(VE5RC+VE5QRP)

-----  
Date: Mon, 20 Sep 1999 10:41:58 -0400 (EDT)  
From: Chris Cartwright Sr <ccart@phideaux.com>  
To: David Gauding <david.gauding@bbs.galilei.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50805] Re: QRP Afield - N3XRV  
Message-ID: <Pine.LNX.4.04.9909200951380.29618-1000000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 19 Sep 1999, David Gauding wrote:

> Who is N3XRW in MD and what equipment is he using? Worked him Saturday when  
> he was running 100mW. On Sunday he was running 50mW. That OM knows how to

Hi, I'm N3XRV and I'm a QRPp-aholic :) Many, many thanks to all who dug me out of that stuff that's under the mud. I had a blast and picked up a few new QRPp states. David gets all the credit on this one, as do all the ops who worked with my tiny signal. He gave me my first QRPp M0, and then halved the power the next day! They should all be that easy. Ended up with 13 Q's on Sat, and 3 more on Sunday. I chased N4BP all over on Sunday. Just when I got setup on 20, he'd QSY to 40, get to 40 and he's off somewhere else. Finally pulled out the stops, went to 5W (horrors!) and got him on 20. Bob, that "waters-edge" vertical is a killer!

Everything on Saturday was between 50 and 100mW. Sunday, I was just trying to hand out Q's to the /P's. As usual the power house on this end was the HW9 and a folded dipole made out of 300 ohm twin lead laying on the roof of the town house. One of these days I'll fix the ALC box and fire up the IC735 again, but for now I'm having a blast with the HW9.

Worked a few in the WA and TN tests, XYL couldn't figure out why I got so wound up when I had to go to 200 or 500! mW to get a new QRPp state. I just couldn't believe they didn't hear me when I went from 20 to 50 mW, and then 100mW!! Unbelievable <snicker>.

The best advice I have for QRPp'ers is; You gotta believe! (and twiddle the VFO to get in the center of their passband) So "Just Do it!", the only time it doesn't work is when you don't try it. And I just gotta know, was it that much harder to work a 50mW station than some of the 4 or 5W stations? Or was I just getting "contest" 559's :) What's 20dB amongst friends?

BTW, I prefer the term "power challenged" to QRPper <grin> and you can bet I'll be running the full teaspoon for the foxhunts! No sense in letting those critters run all over! "Gotta catch 'em all", now where have I heard that before...

72 y'all

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Mon, 20 Sep 1999 11:09:45 -0400  
From: "Ed Lawson" <elawson@lr.net>  
To: "ccart@phideaux.com" <ccart@phideaux.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50806] Re: QRP Afield - N3XRV  
Message-ID: <199909201458.KAA07269@server1.lawson-philpot.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

On Mon, 20 Sep 1999 10:41:58 -0400 (EDT), Chris Cartwright Sr wrote:

>And I just gotta know, was  
>it that much harder to work a 50mW station than some of the 4 or 5W  
>stations? Or was I just getting "contest" 559's :)

Don't know about 50MW, but I noticed very little difference in terms of readability between 5 W and say 500MW. Never use the S Meter on the Sierra, so don't know what the difference is anyway in terms of signal strength.

Ed Lawson  
K1VP

-----  
Date: Mon, 20 Sep 1999 11:43:02 -0400  
From: Tom M <tjmc@erols.com>  
To: QRP-L <qrp-l@lehigh.edu>, LI QRP <liqrp@waterw.com>  
Subject: [50807] qrp at the beach / HT 750 HyPower  
Message-ID: <37E65606.BF8C5D44@erols.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I hate the beach,... Or instead I should say I hate the sand.  
So when the xyl wanted to go running on the beach/boardwalk, I fig it'd  
be a good time for some QRP at Sunken Meadow St Pk Boardwalk(NY).

So I brought along my travl pack... A Tokyo Hy-power HT, ZM-2, and a  
33ft lenght of wire.

There's not many big trees down by the Boardwalk, So 6ft off the ground  
was all I could do... abt 25ft horizontal and the remainder to the ZM-2.

But sometimes it's enough. Best I could do was NX2R in WY on 21.!

I'll have to tell the xyl to run slower next time (yea, right!) so I get  
more time in.

72/3  
Tom AA2VK

PS see you LI QRP guys on the 25th at the park.

-----  
Date: Mon, 20 Sep 1999 09:43:53 -0500  
From: Tim Pettibone <k5oi@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [50808] Notoriety!  
Message-ID: <3.0.6.32.19990920094353.0079cdf0@zianet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Went to the El Paso, Texas Hamfiesta over the weekend. Did a VE session  
(that's another story). Met some hams that I've only met on the air  
before. I check into the New Mexico Road Runner Net (3939 khz) a couple of  
times a week, always QRP. Sometimes I make it sometimes I don't - depends  
on the QRN and where the NCS is or if there is relay station that can hear  
me. Well, had about half a dozen guys look at my name tag, see K50I, and  
they say "Oh, you're the guy that checks in low power", and I say "No  
you're the guy that checks in high power!" Gets 'em every time.

Tim K50I  
QRP-L#73

-----  
Date: Mon, 20 Sep 1999 08:56:43 -0700  
From: Allan G Taylor <k7gt@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [50809] QRP Afield: AE6TT  
Message-ID: <37E6593B.3CFF@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good morning!

I joined Bob, N6WG, at his outstanding FD site in the East Bay hills (Chabot Park) CA. We had two antennas (40m and 20m dipoles) and two setups (K2 for 20 and up, Sierra or NC40A for 40m). We ran parallel single op stations by swapping headphones, paddles, and locations a few times during the contest. Operating period was slightly after 1800 to 2400 Z with no overnight.

WX sunny after the morning clouds broke. Temperature cool, though, and we kept the windbreakers on all day. The breeze played havoc with our logging notebooks.

Typical No Calif field operation!

I operated as AE6TT (used the contest club call in deference to K7Q0) with the following results:

69 worked, mostly 20m. 6 SPC on 40, 23 SPC on 20m. Total score 16008.

Highlight QSOs:

WA5WHN from the NM mtns, very big on 40, not bad on 20 with his 1000 mW!  
KD1JV he turned off his soldering iron for a while and got on the air, 20m  
KI6DS incredibly weak but in there, Doug! 40m  
KD7S sounding like a QRO station from Kings Canyon NP, 40 and 20  
WD7Y loud as usual from NV, 40  
K5JTF with 25 mw from AR ! !, 20m  
W0RSP QRP hall-of-famer  
K7SZ ditto  
CX9AAG/W2 almost DX ! !, 20m  
KH7L ... a piece of cake, 20m

ones that got away...

N4BP (I called him incessantly but no response)  
W0CQC/7 (only heard them for a few minutes)  
K7TQ (ditto)

Ones that I couldn't get away from:

K0EVZ is your location plated with copper, Doc??  
K5LN  
K8CV

The very low activity level on 40m was a surprise

The very high activity level on 20m was no surprise but alarming in that finding an open spot was nearly impossible. Apologies to anyone whose toes I stepped on(!)

Now that my personal K2 is going (as of this morning) I could be very dangerous in the next QRP Field contest.

An opinion poll: does AE6TT or K7GT come through the mud and trash more easily?

73

Allan K7GT ... operating as AE6TT ...

--

	/	
	/	
Allan Taylor K7GT	/Z  \	FISTS 3222 ARS 228
k7gt@arrl.net	/  /599  \	DXCC and WAS 40/cw
Pleasanton CA CM97aq	/_ /____ __\	<a href="http://www.qsl.net/k7gt">http://www.qsl.net/k7gt</a>
...QRO, QRP, or barefoot.....	[\-----/	

~~~~~

-----  
Date: Mon, 20 Sep 1999 09:18:19 -0700  
From: "Floyd Smithberg" <flydnq7x@primenet.com>  
To: "QRP-L message" <qrp-l@Lehigh.edu>  
Subject: [50810] Fw: QRP Afield  
Message-ID: <006601bf0383\$dce29860\$2aae30d0@primenet.com>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Subject: QRP Afield - NQ7X

> Fair condx, good participation but great fun! Thanks Dave et al for  
another  
> fine sprint. I like the short ones as I have to fit operating in between  
changing  
> my xyl's nappies, preparing meals, feeding her, etc.etc(she has Alz). Most  
> of the activity was bunched on 20M with 15M a poor second. I checked  
> 10M and 40M periodically but found only a few sigs or answers to CQs.  
> No time available here Sunday for the Bonus session.  
> Band            QSOs            Points  
> 40cw            8            16  
> 20cw            54            108  
> 15cw            18            36  
> 10cw            3            6  
> -----  
>                    83            166  
> Score: 166 points X 2 pwr X 33 SPCs = 10,956 points  
> Category: At Home, single op, 5 Watts  
> Equip: TS850, ThinkPad w/TR-LOG, 3 el Triband & 40M extender at 40+'.  
> Op time: 5 hrs....had to quit an hour early.  
>  
> Floyd NQ7X   Phoenix ScQRPion DM33uq  
> Note: This is a repost to add signature for ID

-----  
Date: Mon, 20 Sep 1999 09:37:14 -0700  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-l@lehigh.edu  
Subject: [50811] QRP Afield from the California Sierra  
Message-ID: <37E662B9.A4853EE4@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi fellow campers,

This time would be different. I was through getting stomped on by guys  
with low dipoles operating from swamps. I set up camp at 6,500 feet

above sea level in the California Sierra mountains. The weekend before I constructed a monster antenna - my contest killer - a full sized Lazy H for 20 meters. Two tries with my slightshot/fishing reel combination had guide lines installed at 80+ feet. According to my compass, the antenna was broadside east and west. I envisioned guys waiting in line to work me. B-e-e-e-p! Wrong again. While the Lazy H is a fantastic DX antenna, it wasn't the best choice for my location. Many of the close-in station were simply not hearing me. Despite my poor planing I managed 74 contacts and quite a few SPCs as multipliers.

To each of you whom I had the good fortune to work, I thank you. And I'd like to extend a special thanks to Dave Benson and the NE QRP Club for the fun (and learning experience.)

Next year will be different. I'm going to put up a low dipole in a swamp somewhere and knock yer' socks off.

--

=====  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
=====

-----

Date: Mon, 20 Sep 1999 12:48:53 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: S LYON <sslyon@worldnet.att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50812] Re: SCORING -for us /P's ?  
Message-ID: <Pine.3.89.9909201215.A14143-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 20 Sep 1999, S LYON wrote:

>

> I'm confused. What get's/doesn't get doubled for Sunday Q's?

>

Looks to me like you score Sunday the same as Saturday, but multiply Sunday by two, then add both days together. That's a terrific bonus, but I feel that I earned it! :-)

"The slate is clean starting Sunday.... Stations meeting the /P criteria may work all others for the double credit."



73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

-----  
Date: Mon, 20 Sep 1999 10:03:37 -0700

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: <qrp-l@lehigh.edu>

Cc: <WA6GER@aol.com>

Subject: [50813] Tuna Tin 2/MRX Pacificon Builders list (9 kits left)

Message-ID: <01bf038a\$14f90ee0\$630a0d0a@doug.dpol.k12.ca.us>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys, here is the list so far as I have it for the Pacificon TT2/MRX Building and operating event. Remember, the kits are free, all that you have to do is pay the shipping of \$4, agree to build it and bring it to Pacificon for the Special Pacificon Fox Hunt with Mike Gipe, K1MX as the fox. The boards came Saturday, and the kits are just about ready to ship. Doing the kitting this evening. Here is the list so far. If you are coming to Pacificon and want to build one of the kits, please send me email with "NorCal Tuna Tin 2 Offer" in the subject line. We have 9 kits left. Ok, here is the list.

#### Tuna Tin 2 Builders List

1. Chuck Adams
2. Paul Harden
3. Jan Medley
4. Jeff Grudin
5. Andreas Junge
6. Ron Baldwin
7. Steve Smith
8. Gary Diana
9. Bob Hightower
10. Bertie Hightower
11. Jerry Parker
12. Ori Mizrahi Shalom
13. Vern Wright
14. Mary Cherry

15. Monte Stark
16. James Rybak
17. Vern Wright
18. Dave Epps
19. Gody Siason
20. Ron Smith
21. Steve Schroder
22. Sam Imai
23. Joe Everhart
24. Jim Stafford
25. Dwight Graham
26. Dave Fifield
27. Doug Hauff
28. D.K. Philbin
29. Joe Everhart
30. Jim Cates
31. Steve Cates
32. Darrel Jones
33. Jim Stafford
34. Mike Wood
35. Randy Foltz
36. Brian Kassel

72, Doug, KI6DS

-----  
Date: Mon, 20 Sep 1999 12:57:08 EDT  
From: Macstein@aol.com  
To: kd7s@psnw.com, qrp-1@lehigh.edu  
Subject: [50814] Re: QRP Afield from the California Sierra  
Message-ID: <e153cb0c.2517c164@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

In a message dated 9/20/1999 11:39:47 AM EST, kd7s@psnw.com writes:

> Next year will be different. I'm going to put up a low dipole in a  
> swamp somewhere and knock yer' socks off.  
>  
Bill,

Yep.... that about described my station. But the only socks that got blown off were mine in order to wring 'em out! We have more rain coming with "Harvey", but I'll be inside with the attic dipole (also low) - grin.

-MAC-  
KF4KSM

-----  
Date: Mon, 20 Sep 1999 10:01:23 -0700  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "'QRP-1 List Server'" <qrp-1@Lehigh.edu>  
Subject: [50815] NorCal Parts Kits..  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F01DE043F@hq-expo2.filenet.com>

Does anyone know if NorCal still offers their resistor, capacitor, and toroid kits? I am especially interested in the constituents of the cap kit.

..thanks in advance.

Bill, K6WHP

-----  
Date: Mon, 20 Sep 1999 13:04:47 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: QRP-L@LEHIGH.EDU  
Subject: [50816] Portable Operation  
Message-ID: <37E6692F.DA0@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

Please humor me here. We have just finished a QRP Afield event and I would like some information. From the myriad of postings I see you have worked everywhere from backyard to eback. Many of you operated from favored field day sites. Some of these sites were public and some were private. Now, here is what I want to know.

Did any of you get permission to operate from the site you chose?

Was it in writing or verbal?

How many of you had other non-ham types in the vicinity of where you were set up?

How did you erect your antennas? (ie.e, did you use slingshots or spunguns, etc)

If you can't tell yet, there is an article planned on this topic, your input would be greatly appreciated. It would probably be useful too. Private email is the preferred approach. I will summarize to the list.

Thanks, and 73

-----  
Date: Mon, 20 Sep 1999 10:46:16 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50817] Re: Weird 2N2/40 Problem Found  
Message-ID: <003001bf038a\$760ee100\$99e498cd@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Sunday, September 19, 1999 2:55 PM  
Subject: Re: Weird 2N2/40 Problem Found

Hi Dave/Gang,

>A fellow I used to work with told me an interesting way to "restart" an  
>oscillator.

>He used to work for an electric utility in the Midwest, and they had  
>some microwave communication equipment installed all over the region. He  
>went out to one substation with an attached microwave tower to install  
>some unrelated gear. He could see inside the rack with the microwave  
>gear, and saw an electric motor with a wooden disk attached to the  
>shaft. On one edge of the disk was a small metal hinge attached to a  
>piece of wooden pencil with a large pink pearl eraser on the other end.  
>The result was a triphammer that came around twice per day (it was a  
>clock motor and gearbox) and bopped an FT-243 crystal underneath. My  
>friend asked the local maintenance man what that was all about. The guy  
>said that the transmitter would quit about once a week or so, and a tech  
>had noticed that if he bumped the crystal, the transmitter would start  
>working again. So they arranged to bump the crystal regularly, and  
>hadn't had any trouble since.

LOL!! Not the most elegant solution, but who can argue with success? :^). If it would have been me doing this, I would "have" to had added some type of elaborate, cascading mouse-trap setup that would eventually thump the xtal. :^). Great story, Dave!

72/73,

----

Randy Jouett, AB5NI

-----

Date: Mon, 20 Sep 1999 13:37:32 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: S LYON <sslyon@worldnet.att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50818] Re: QRP-A addenda  
Message-ID: <Pine.3.89.9909201309.E22885-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 20 Sep 1999, S LYON wrote:

>

> 1.) Did anyone NOT hear N4BP? (B-ack P-ain) Wet or dry... you cranked! But you know about operating antennas over salt water! Sure does make a difference. My observation has been that my HB vertical sitting on the sea wall works as well as my TH7 at 65 feet from home.

73,

Bob Patten, N4BP , ' ' ' , ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>  
Brass Pounder BBS: (954) 472-7715

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Date: Mon, 20 Sep 1999 10:42:03 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-1@lehigh.edu

Subject: [50819] K2 and Tai'Chi.  
Message-ID: <37E671EB.FAAAC898@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Happy day, friends.

I got some serious K2 Building in this weekend. What a fine experience!

When I learned the 110+ move sequence in Tai-Chi, we started slowly and attempted perfect balance and grace. Constant monitoring and positioning by the instructor until we got it right. Then we learned all and moved faster thru the sequence over time. Then the true power of the art was evident.

Such is the case with building the K2. I feel now that all my prior work building radios was an exersize in technique -- such that I may build a finely crafted K2! Here truly is a fine radio, one I can confidently apply my skills without hesitation. Yet I have spent so much time enjoying the beauty of the manual and parts that I had not begun to build it. I had annotated per the Errata sheet, Added my trademark 'Appendix Tabs' etc. and even done some coloring to beautify some drawings.

Then I found soldering iron "On" switch. 3.5 hours for the Front panel. 3 Hours for the control board. All total I got in about 20 hours and have the radio RX aligned and working on 40 meters receive! Just Phase 3 of the RF board is left. What a productive weekend.

And is it beautiful! Rod is gonna love this radio when I send it to him.

Half the fun is having the Shack transceiver running on 40 meters so I can hear the QSO music while I work. I even paused for 11 QSO's in the QRP Afield contest. Had some great rag chews Saturday and Sunday nights as well. And the K2 sits proudly on the worktable.

Here's the clincher: I did all the work standing up! The workbench is too high for my other chairs. After a few hours I thought "Hey, this might be the first K2 where all of the works was done without sitting."

This K2 Stands tall as one finely tuned instrument and  
I will stand with it.

My hat is off to Elecraft for superb design.

Should be on the air with it this week! Got to get in  
some K2 QSO's before KA7YOU calls for his rig :)

72 de Ed/WE6W

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

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Date: Mon, 20 Sep 1999 14:06:42 -0400  
From: The Boices <boice@bigfoot.com>  
To: qrp-l@Lehigh.EDU  
Subject: [50820] Searching the archives for coax as balanced feeder?  
Message-ID: <3.0.6.32.19990920140642.007a2950@pop.megalink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Am I missing something here, or is there not an easy way to search the  
QRP-L archives on the web? I've looked at the FAQ, and wandered thru the  
site, but can't find a way to search more than the headings for an  
individual day.

I don't have the archives on CD, so I can't peruse that medium.

What I'm really interested in was the discussion some time ago on using  
parallel runs of coax as a balanced line, to avoid having to run 450 ohm  
window line thru a wall.

72,

Mike Boice, KW1ND  
New Gloucester, Maine FN43uw  
QRP-L # 576 ARCI ARS # 188 K2 # 185 NorCal

-----

Date: Mon, 20 Sep 1999 11:07:25 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: k7gt@arrl.net, qrp-l@lehigh.edu  
Subject: [50821] Re: QRP Afield: AE6TT

Message-ID: <37E677DD.C904633@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Allan, I think AE6TT is a great call. It is only  
a Dah and Dit away from THE perfect callsign!

<tongue in cheek> ;D

72/Ed WE6W

<... snip ...>

> Now that my personal K2 is going (as of this morning) I could be  
> very dangerous in the next QRP Field contest.  
>  
> An opinion poll: does AE6TT or K7GT come through the mud and trash  
> more easily?  
>  
> 73  
>  
> Allan K7GT ... operating as AE6TT ...

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

-----  
Date: Mon, 20 Sep 1999 13:10:15 -0500 (CDT)  
From: "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>  
To: qrp-l@lehigh.edu  
Subject: [50822] ARCTIME WWVB clocks / monitor interference  
Message-ID: <Pine.LNX.4.04.9909201302200.16323-100000@divis17.ped-gen.uiowa.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

hi all.

did some simple experiments with the ARCTIME wwvb synchronized clock, and  
found that my computer monitor (Optiquest V775 17") will completely block  
it from syncing withing a least a 4' radius from the monitor. so, those of  
you haveing sync'ing problems, try taking it away from the monitor or  
turning it off.

you can see this for yourself: turn the monitor off. manually start a sync



cycle ('+' and '-' buttons simultaneously). wait till you see a nice 3+ or 4+ signal, then turn the monitor on. in a few seconds the indicator will drop to 1 bar. turn the monitor back off, and it will come right back to the baseline number of bars.

BTW - in UTC mode, the clock sync's at 2400 (0000) UTC, which in north america is probably not the best time - still daylight for a good part of the year. syncing at 2400 local time wouldn't be so bad. but the clock will retry later in the evening as well, so no big deal, except that i'm likely to run into computer monitor interference.

it'll all work out.

--adam, ak0p  
adam-kanis@uiowa.edu

-----  
Date: Mon, 20 Sep 1999 11:13:21 -0700  
From: "Kory Hamzeh" <kory@avatar.com>  
To: "Joel Malman" <malman@world.std.com>  
Cc: <k1qm@world.std.com>, <qrp-1@lehigh.edu>  
Subject: [50823] RE: OT: RE: That WaCkY AtOmIC cLOcK!  
Message-ID: <001301bf0393\$d237a080\$14ce21c7@tomcat.avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I finally got the clock to sync up my resetting it and then setting in a particular direction to receive maximum signal strength. I'm concerned about having to do this because in the normal operating position in the shack, it will never re-sync to the clock will slowly start to drift.

Kory

> Kory,  
>  
> > After several days, my clock has not synced up yet.  
>  
> On the day my clocks arrived ... during the daytime ...  
>  
> One of my clocks sync'ed up right in here in the Concord condo. The  
> other would not, so I walked it around the condo association. There  
> were some "hot spots", but it did not sync-up. Latter that night (at  
> midnight EDT) it sync-ed up all by itself.

```

>
> Maybe you have a mountain between you and C0? Did you try to force
> a sync, by pressing the + and - key at the same time?
>
> I thing the antenna tower symbol is actually pretty cute.
>
> Good luck.
>
> --
> /joel K1QM Concord, MA

```

```

-----
Date: Mon, 20 Sep 1999 11:21:55 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [50824] AE6TT is a FISTS club call
Message-ID: <37E67B43.111B@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```

If any out on qrp-l who worked me in the recent QRP Afield contest, you may want to know that AE6TT is a FISTS club call #4600 and worth three points for FISTS century award.

GT

--

```

                                     |
                                   //|
                                  / |
                                | /Z |\
                                /| /599| \
                                |_||/____|__\_
Allan Taylor K7GT                  FISTS 3222 ARS 228
k7gt@arrl.net                    DXCC and WAS 40/cw
Pleasanton CA CM97aq             http://www.qsl.net/k7gt
...QRO, QRP, or barefoot..... [\--=====~/
~~~~~

```

```

-----
Date: Mon, 20 Sep 1999 14:23:34 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-l@lehigh.edu>
Cc: "wa8mcq" <wa8mcq@erols.com>
Subject: [50825] QRP on Kenwood tube-final rigs
Message-ID: <199909201813.0AA19186@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

```

Content-Transfer-Encoding: 7bit

This is in reply to a recent thread which had the somewhat less obvious subject line of "X" :-). Someone offered to trade his Kenwood TS-830S for some QRP equipment, to which the reply was that it could be used on QRP itself.

Kenwood had several rigs that were solid state but with tube finals (6146's fed by a 12BY7). These include the TS-520S, TS-530S, TS-820S and TS-830S. You can always detune the final or cut back on the carrier control, or do the time honored trick of DC voltage into the ALC jack. However, there's yet another method, which I thought I covered in the Idea Exchange in the QRP Quarterly years ago.

I searched through my disk files, spent a while making up a cumulative index of Idea Exchange item titles since 1990, only to find that it wasn't there! Some more digging showed that it was actually an article written by KA8EGS, I think it was, in 1993. I had added some info to it which was longer than the basic article itself. The trick is to play with the screen grid voltage on the final.

There are a couple of ways to do this; the design of the rig is such that it is fairly easy to do with simple modifications. I'll type up the article and post it to qrp-l later if I remember, and will put it in a future issue of the Idea Exchange as well.

73 and queue our pea DE WA8MCQ

-----  
Date: Mon, 20 Sep 1999 00:32:45 -0600  
From: "William R. Colbert" <af852@rgfn.epcc.edu>  
To: k5oi@zianet.com, qrp-l@lehigh.edu  
Subject: [50826] Re: Notoriety!  
Message-ID: <37E5D50D.90DB1917@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yep, sure was nice to finally meet you Tim, and Carl W3YK also. I mean, we live such a long ways apart 45 miles?, it was about time. Maybe next time we can sit and chat a spell.

73

Ray

--

"Politicians are like nappies. Both should be

changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"

-----  
Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS  
-----

Date: Mon, 20 Sep 1999 11:52:15 -0600  
From: tom whalen <wb5qyt@eFortress.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50827] QRP-A de WB5QYT  
Message-ID: <37E6744F.2B69@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

Oh what fun! Murphy only struck a couple of times too!

Hiked up to a site in the Sandia Mtns at an ele. of about 10,400ft.  
Bruce AA5B was already there working stations like crazy! He was all set  
up with a 40/20 m fan dipole and a tree mounted GP for 20. If you have  
never heard of AA5B, he is quite the contest operator, winning many  
contests.

I put up a 40m dipole in a Pinon tree, and commenced to fire up the  
SW40, as Bruce was on 20m. Seems like we were too close and his 20m sigs  
were getting into the SW40. Next year, will have a little more  
seperation between the antennas! So, I went to 10m with my HTX-100. Had  
is set to 2 watts and worked N4BP! He had a great signal and got my  
heart pounding on the thought of a BIG day on 10m! Well, NOT...he was my  
only Q on 10! Band stunk. Wish I had my GM-15 fixed as Bruce said 15 was  
hot. Did I mention the ANTS at 10,400ft?? Yep, lots of em. Didn't really  
bite me, but were all over! Bruce was very comfy in his dome tent!

Next year will bring a tent, camp chair....beer(NOT)!  
Had a heck of a time using my sling shot and Zebco combo. Guess Im out  
of practice account of using the Spud Gun Antenna Launcher..It's got me  
spoiled!  
Good to work Jay WA5WHN or .52....Tried to listen for the guys on  
Mogellon Pk(how do you spell that Jay?) but did not hear them on .52, I  
believe I heard them on 40 once.  
Also worked my friend Jack WA7LNW....good sigs Jack from you MTN  
location. The NC-20 is quite the contest machine!  
After seeing a BIG cloud slowly approaching, I decided to pack up and

Was fun, and will be better prepared next year...WHATA site!

-----

QRP AFIELD

---

SUNDAY

|                                                                        |                                                                        |
|------------------------------------------------------------------------|------------------------------------------------------------------------|
| =20                                                                    |                                                                        |
| band            QSOs          mults                                    | band         QSOs         mults                                        |
| =C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4= |                                                                        |
| =C4=C4                                                                 | =C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4=C4= |
| =C4=C4=C4=C4=C4=C4=C4=C4                                               | =20                                                                    |

[illegible][illegible]

TOTAL 162 81

TOTAL 78 47

162 Qs X 4 (/P) =3D 648 QSO pts  
0 pts

78 Qs X 8 (/P) =3D 624 QS=

648 X 2 (5W) X 81 (Mults) =3D  
=3D

624 X 2 (5W) X 47 (Mults)=

SCORE: 104,976  
=20

SCORE: 58,656

TOTAL SCORE: 163,632

Comments: Elecraft K2 running from 110 A/H marine battery w/shorted ce=  
11.

NorCal Paddle which sends terribly with NA software  
Field Day "Ugly Vertical" on sea wall at Fiesta Key KOA  
486 notebook running NA (when it worked, see power source)

=20

=09 73,

=09=09=09=09 , ' ' ' ,

Bob Patten, N4BP

( 0 0 )

Plantation, FL=20

-----o00o-( )-o00-----=  
-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715 =20

-----  
Date: Mon, 20 Sep 1999 13:45:56 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50829] Re: Weird 2N2/40 Problem Found  
Message-ID: <005001bf0398\$bb4cd430\$99e498cd@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Lee Bahr <bahr521@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Sunday, September 19, 1999 3:49 PM  
Subject: Re: Weird 2N2/40 Problem Found

Hi Lee/Gang,

>Why not do the obvious? Change out the crystals to ones with Higher Q?  
>The good ones only cost about 43 cents each from Mouser. If you bought  
>25 of them for matching purposes at 43 cents each, you would have \$10.75  
>spent minus shipping charges and save countless hours of design change.  
>Isn't this worth \$10.75? There is also the possibility a design change  
>would still not offer the good results that could be obtained using good  
>Q crystals to begin with. Just my 2 cents on all this.

Well, he did say that this was a "Junk-box Special" radio, Lee, so I was figuring that he wouldn't want to spend the money for the extra xtals. I don't know about you or others, but I get a kick out of seeing someone build a working, decent-quality radio out of scrap parts. With that in mind, and with him saying and being happy about building the rig out of 100% junk-box parts, it's only logical to think that he actually meant it when he said, "How do you get a sluggish crystal to oscillate?"

Besides all of this, getting a sluggish xtal to oscillate would be a good learning experience for all of us, come to think of it, and would be good to add to our ever-increasing arsenal of hardware debugging and repair. Maybe one day me, you, or others will run to this problem, and someone will say, "I need it now, and we don't have time to order the xtal." So, when you think about it, this re-design of the circuit -- which I seriously doubt that it ever comes to -- would be well worth the time and trouble. Not only that, but if the sluggish xtal gives up the ghost and quits oscillating, the next xtal inserted to the circuit will probably have no problems getting up and running immediately.

Anywho, thanks for your input, Lee. Hopefully, he'll solve his problem and we'll have a new 2N2/40 rig to work in the not-to-distant future! :^)

72/73,

----

Randy Jouett, AB5NI

P.S.

WOW! That was a 100% serious, on-topic response from yours truly! Will miracles never cease? I must be slipping! Hmmm. Must need to have my head examined! Nah -- I'll just save the money and bang my head up against the wall,

sniff some solder fumes, and slam back a couple of Guinness  
brews :^). Anywho, back to my normally cheerful, ever-demented  
thought processes and remarks! :^)

-----  
Date: Mon, 20 Sep 1999 11:57:59 -0700  
From: Scott Gregson - KC7MAS <emtech@steadynet.com>  
To: k7gt@arrl.net, qrp-l <qrp-l@lehigh.edu>  
Subject: [50830] Re: A Suggestion for Problems with Kits  
Message-ID: <37E683B7.21977E85@steadynet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

We do have a forum for Emtech at:  
<http://emtech.steadynet.com/forum/bforum.mv>  
Thanks,  
Scott

Allan G Taylor wrote:

>  
> Wayne N6KR and Eric WA6HHQ have been doing very well with their new  
> product (Elecraft K2) by putting up a specialized reflector to deal  
> with those problems. Its open to anyone who wants to sign up, but  
> is WIDE OPEN for comments on how to enhance the design, suggestions as  
> to why something should be fixed, and of course requests for help in  
> building the kit as troubles arise. Its working well there. But, as  
> far as I know, there is no OHR or EMTECH or ... reflector to deal  
> specifically with problems with their kits. It is hard to tell from  
> the posts there (Elecraft reflector) whether or not a poster has also  
> sent email to the vendor (Elecraft!). But there are apparently no hard  
> feelings in this very interactive and frank environment. I had always  
> assumed that those rules applied in this larger interactive and frank  
> environment as well. When we comment that we are having trouble putting  
> a kitted design on the air / together it is a comment about OUR  
> failings and not those of the kit, kit vendor, or design.  
>  
> Of course, going to the vendor is the best approach but there is  
> no reason to think the vendor has seen every possible flub-a-dub.  
> Fishing in a wider audience for help on a significant problem is often  
> the time-efficient and most 'learning way' to get to the solution.  
> Remember here that getting the kit going isn't necessarily the only  
> purpose in mind.  
>



> Let's lighten up. I am very grateful that those kit vendors are  
> staying in a relatively unprofitable business for our benefit and I  
> NEVER think any worse of them for MY mistakes!  
>  
> 73...and let's go operate!  
>  
> Allan K7GT  
>  
> --  
>  
> |  
> /|  
> / |  
> | /Z |\  
> Allan Taylor K7GT | /599| \ FISTS 3222 ARS 228  
> k7gt@arrl.net /| /599| \ DXCC and WAS 40/cw  
> Pleasanton CA CM97aq /\_||/\_||\\_ http://www.qsl.net/k7gt  
> ...QRO, QRP, or barefoot..... [\---=====-/

--  
Scott Gregson - KC7MAS  
emtech@steadynet.com  
http://emtech.steadynet.com  
+++++  
Scott Gregson Co. / Emtech / CFC  
1127 Poindexter Ave W  
Bremerton, WA 98312

-----  
Date: Mon, 20 Sep 1999 15:19:37 EDT  
From: Davewb4@aol.com  
To: qrp-1@lehigh.edu  
Subject: [50831] F.S. Hy-Gain CD-45-II Rotor  
Message-ID: <8081ec1d.2517e2c9@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

With the Tower gone no need for the Rotor. Purchased from C.A.T.S. 1/12/96.  
Has been on the tower since then.Has rotor cable QCPL quick disconnect  
installed. Paid \$230.00. With manual. Turned 5 element Telrex beam and then  
Lightning Bolt 5 band quad.Just checked it on the work bench, works fine.

73  
Dave Rogers  
WB4CHK  
Plantation FL

-----

Date: Mon, 20 Sep 1999 14:32:07 -0500  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [50832] Fw: Tweeking the NorCal 20  
Message-ID: <004201bf039e\$d9a8d5e0\$619b66a6@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It pays to be subscribed to QRPP, with articles like Dave writes. Thanks  
Dave-----73 de w5jay..

-----Original Message-----

From: David D. Meacham <ddm@datatamers.com>  
To: Jay Bromley <w5jay@alltel.net>

>Jay,  
>"Tweaking the NorCal-20" is also the title of my article on page 69 of the  
>Spring edition of QRPP. 72, Dave, W6EMD  
>  
>  
>

-----  
Date: Mon, 20 Sep 1999 16:12:08 EDT  
From: JClinton46@aol.com  
To: boice@bigfoot.com, qrp-1@lehigh.edu  
Subject: [50833] Re: Searching the archives for coax as balanced feeder?  
Message-ID: <dbbcb060.2517ef18@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Check QST May 99 p53, New Ham Companion. Answer was in response to using  
shielded line to solve problem of running open wire feed line over a metal  
roof. Basically the shield braids are soldered together at both end of the  
run and also grounded. The inner conductors are the feed lines. You can  
maintain a balanced line but will not enjoy the low-loss of twin-lead or  
ladder.

Clint  
KE4FDT

-----

Date: Mon, 20 Sep 1999 16:24:19 -0400  
From: wb2vuo@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [50834] Re: Searching the archives for coax as balanced feeder?  
Message-ID: <19990920.164322.-4829.0.wb2vuo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Mike. Keith here in the Depth of the Great Bergen Swamp...

I was in the discussion, but I have long since lost the 73 magazine that the first article I saw was in.

Basically, you can use coax as balanced line by connecting the braids together and allowing them to float. The center conductors are the balanced line, and the Z is twice the Z of the coax alone. So 50-ohm line gives you a 100-ohm balanced line, 75-ohm gives you 150-ohm balanced line. If you had RG-62, a 93-ohm cable, you would get 186-ohm line and so on...

The one main limitation is breakdown voltage. The foam dielectric cables have breakdown voltages as low as 400 volts! With a high SWR on the balanced line section you can exceed that level easily. Solid dielectric cable is much better with breakdown voltages are in the 2KV to 4KV range, a much better safety factor.

I don't recall any of the theoretical discussion on velocity factor(s) and the like, but I made a balanced 100-ohm 1/4-wave section for a loop turnstile about 15 years ago, and the regular Vf for the coax worked just fine.

Someone out there HAS to have the 73 article, but I don't. Hope this helps.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp  
My night light runs more power than my Rig!!!

-----  
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-----

Date: 20 Sep 1999 15:52:24 L0C  
From: <SFIKE@twa.com>  
To: <qrp-l@lehigh.edu>  
Subject: [50835] K2  
Message-ID: <19990920.155224.SFIKE@twa.com>

I stand corrected. They may not be making money "hand over fist"  
(my own words), but I suspect they'll come out ahead okay in the long run...

72

Scott

-----  
Date: Mon, 20 Sep 1999 20:48:33 +0000  
From: Goran Hosinsky <hosinsky@jet.es>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [50836] Visual Altoids  
Message-ID: <37E69DA1.94C43652@jet.es>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For other members of this list that like me lives far from the supply  
routes of the  
Altoids there is now help to be found to understand and enjoy those  
deeply  
philosophical discussions - frequent threads on this list - about  
Altoids:

N9JXY has published a photo of an Altoids box in QST July 1999 page 53.  
If he had also published a taste sample our bliss would have been total.

73

Goran ea8yu

-----  
Date: Mon, 20 Sep 1999 15:13:13 -0600  
From: "Draper, Bruce L" <draperbl@sandia.gov>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [50837] QRP Afield scoring question  
Message-ID: <5E4AEFEB3A86D21193710008C7A40A5A023C3970@es05snlnt.sandia.gov>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gotta scoring question for QRP Afield. Without very specific rules, I see at least a couple of ways to do the scoring...

1. (Saturday QSO points + Sunday QSO points) x (total SPC multipliers).
2. (Sat QSO points x Sat SPC mults) + (Sun QSO points x Sun SPC mults).

Of course, both of these then get multiplied by the power and portable multipliers.

Does anyone know FOR SURE? Maybe NN1G will respond.

I'll post a very long operating story and photos of my backpacking trip tomorrow.

Had a terrific time, and made over 180 QSOs while enjoying the mountain scenery.

-Bruce, AA5B (or AA5Backpack!)

-----  
Date: Mon, 20 Sep 1999 17:35:46 EDT  
From: ka7you@juno.com  
To: boice@bigfoot.com, QRP-L@LeHigh.EDU  
Subject: [50838] Re: Coax as balanced feeder?  
Message-ID: <19990920.143822.2295.22.ka7you@juno.com>

Mike and others

Assuming it is not a metal wall:

I have very successfully used two parallel pieces of small brass all-thread (#6-32 thread). You might have to go to a large nut and bolt store to find this, but it is worth it. An alternative would be to use the plain cad plated steel all-thread.

Just pass it through a pair of parallel 3/16" or smaller holes in the wall, and with double nuts and lock washers on both sides, attach your feeder wires. Upon removal, some caulk and touch up paint, and it is 'gone'.

The 'parallel coax' idea works OK too, but does require larger holes and more cost.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.  
160M thru 1296 MHz-higher bands pending  
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

On Mon, 20 Sep 1999 14:06:42 -0400 The Boices <boice@bigfoot.com> writes:

>Am I missing something here, or is there not an easy way to search the  
>QRP-L archives on the web? I've looked at the FAQ, and wandered thru  
>the  
>site, but can't find a way to search more than the headings for an  
>individual day.

>

>I don't have the archives on CD, so I can't peruse that medium.

>

>What I'm really interested in was the discussion some time ago on  
>using

>parallel runs of coax as a balanced line, to avoid having to run 450  
>ohm

>window line thru a wall.

>

>

>72,

>

>Mike Boice, KW1ND

>New Gloucester, Maine FN43uw

>QRP-L # 576 ARCI ARS # 188 K2 # 185 NorCal

---

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---

Date: Mon, 20 Sep 1999 16:38:09 -0500

From: "Jay Bromley" <w5jay@alltel.net>

To: <WW7Y@sisna.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [50839] Re: Where to find Kester Silver Solder??

Message-ID: <003e01bf03b0\$6f949880\$029b66a6@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Try Milestone/Morse Express at <http://www.mtechnologies.com/index.html>

73 de w5jay..

-----Original Message-----

From: Steve Kubisch <WW7Y@sisna.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Monday, September 20, 1999 9:27 AM  
Subject: Where to find Kester Silver Solder??

>Anyone know of a mail-order source for Kester 2% Silver  
>(no-clean)Solder.  
>  
>Mouser is back-ordered. 2 - 3 weeks.  
>  
>Kester #24-7150-8800 1 lb spool.  
>  
>This stuff has been touted by others on the list and is recommended for  
>the K2.  
>  
>--  
>Steve Kubisch -WW7Y-  
>640 East 250 North  
>Centerville, Utah 84014  
>WW7Y@sisna.com  
>QRP-ARCI #8559 NorCal #258 QRP-L #94  
>  
>  
>

-----  
Date: Mon, 20 Sep 1999 14:52:14 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [50840] SLX Building Instructions (Brief)  
Message-ID: <01bf03b2\$66fbc020\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, several have asked how to build a SLX antenna. This one was designed by Dave Gauding, and there is an extensive article on it in the Summer 1998 issue of QRPp.

The antenna is held up by one of the 20 foot collapsible fishing poles, and consists of a radiator made from a 20 foot piece of flat cable that has 3 conductors. Cut the 20 foot piece of conductor, and trim the two outside bottom wires back about 2 inches. Then slide a piece of shrink tubing

about two inches long over the 3 wires. Do it so that the middle wire sticks out about an inch or so. Peel the insulation off the middle wire, this is the feed point. Attach an alligator clip to the feed point of the wire, the single middle conductor, making sure that the two outer wires are insulated from the alligator clip by the shrink tubing. Next, go to the other end of the 3 wire flat ribbon cable, and trim the insulation back about a half inch or so. Twist the three wires together and solder. Next, bend the end of the cable over on itself making a loop about 1/4" in diameter. Place the cable through the smallest fishing line swivel with snap clip that you can find. Secure with a wire tie. You will attach the upper end of the antenna to the eye of the fishing pole with this snap. The radiator is now done.

St. Louis Radials are made by cutting a 7 conductor piece of flat cable to a length of 16' 6". Trim the insulation back about 1" on all conductors. Then roll the cable and twist the conductors together. Now slide them through the loop of an alligator clip, and use pliers to secure, but be careful that you don't cut the wire. Attach the twisted wires to the clip. Now go to the other end. Use one of those electrical connectors with a loop and a hole, they come in red, blue and yellow. I use the yellow or blue. Roll the end of the cable and put it in the loop, and again use the pliers to hold it. Do not solder the wires on this end together. I use 6 of these SLR's and it makes a neat quick ground plane.

Now we have to mount the antenna and connect the radiator and the radials. This is done by using a piece of closet pole. You will have to sand it down or use a spoke shave or drawknife to make it a slip fit in the 20 ft. fiberglass pole. I like to have about a foot of wooden dowel in the fishing pole and a total length of about 18 inches. I take a piece of 1 1/2" coupler and make it a slip fit over the wooden dowel. I drill a hole in it and use a small brad to hold it in place. This acts as a stop for the fishing pole. Next, drill a hole about 1" below the stop that will allow a #10 screw to go through it. Use a 2.5" x 10-24 screw. Use two nuts to attach to the wooden pole. This is where you will attach one side of the twin lead feedline and the alligator clip from the radiator.

Next, drill another hole that is 1 inch lower on the pole, and 90 degrees to the first hole. This will hold a 2" x 10-24 screw and will be used to attach the other side of the twin lead and a ring made out of #10 or #12 copper wire that is about 2 1/2" in diameter and is used as an anchor point for the radials. This is hard to describe, but it is a buss basically for the radials. You will clip the radials to the buss. Now you have one thing left to do. Buy a dozen gutter spikes from the hardware store. They are about 3/16" thick and 12" long and are used to put up rain gutter. Drill the end of the wooden pole to accept the spike and drive it in about 3 inches or so. Cut off the head and sharpen a point on the end. Now you are ready to assemble the antenna.



Spread out the radials. Put the wooden mount in the ground, put the top of the radiator on the fishing pole and put the pole on the mount. Then attach the twinlead feedline to the two screws, hook the radiator alligator clip on one screw, and the radials to the buss wire. Stretch out the radials and secure to the ground with one of the gutter spikes, and you don't have to push them all the way in, grin. You are all set. Run the feed line to a ZM-2 or any other balanced tuner and you can operate from 10 - 40 meters.

One note, if you want some directivity, run all the radials in the direction that you are trying to work. I thus lined all of them up and layed them out facing due east for the QRP Afield contest from California.

I hope that I have this right and that it is clear. Dave Gauding wrote an excellent article on the antenna that is in the Summer 98 issue of QRPp. I suggest that you check it out.

On the 20 foot fishing pole, you can order them from Cabelas I think, maybe someone else has a source for these. Enjoy.

Oh, one more thing, Dave Gauding, NF0R designed this and my description comes from building the antenna from his article, but he deserves all the credit. I find this antenna to work very well as a portable all band vertical antenna for 10 - 40 meters with a radial system that is easily deployed. The whole antenna will set up in less than 10 minutes by yourself.

-----

Date: Mon, 20 Sep 1999 15:44:16 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-l@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>  
Subject: [50841] Atlas 210s?  
Message-ID: <Pine.LNX.3.95.990920153450.21487B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...we have another amateur here in Regina who is now a Silent Key...his widow has asked me to handle the clearing away of his amateur radio equipment...amongst other things there is an Atlas 210X (QRP?) with a case that the 210X slips into, which has a power supply and speaker...the "cabinet" has Model 220CS markings on it...I'm looking for a fair price range, depending on condition, etc...you can talk US dollars and I'll make the conversion to Cdn... thanks for anyone's help....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

-----  
Date: Mon, 20 Sep 1999 16:05:37 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>, qrp-1@Lehigh.EDU  
Subject: [50842] Re: Ferrite Rod Inductors  
Message-ID: <37E6AFB1.BA3DEC0E@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ian

I am still working on the inductor problem. The off-shore manufacturers make suprising good ferrite loopstick coils for very low cost. They do this by winding a single layer of Litz wire over an appropriate core material. Most common AM broadcast loopstick antennas are wound this way. They often have very uniform inductance and Q (a result of low AC resistance and low stray capacitance). The only cheap source of good loopstick antennas I have found is from Electronic Goldmine. Unfortunately, these are a bit out of spec, and will not resonate below about 650 KHz with the "matching" miniature variable capacitor they sell.

If large inductances are required special methods sometimes called wave or honeycomb winding are used. A good example of this is a high inductance choke coil which may have 2 or more narrow, deep honeycomb windings spaced across the core.

I have tried to wind some loopsticks on the Electronic Goldmine cores using #33 enameled wire. It is easy to get the proper inductance, but stray capacitance is higher and Q is lower than the Litz wound coils. The coil's stray capacitance increases with frequency at a greater rate than Litz wound coils. Consequently, they will not resonate at the upper end of the BC band with a typical miniature variable. I am still working on the problem, but have concluded that winding good AM loopstick antennas is not trivial at all.

Hope this helps. I am still very open to help and suggestions.

Bruce kk7zz

-----  
Date: Mon, 20 Sep 1999 18:35:37 -0400

From: "Dieter Gentzow WB8QYY" <wb8qyy@one.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [50843] Antenna tuner  
Message-ID: <003f01bf03b8\$765e71b0\$0102030a@amd300>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Guys and Gals

Had a bit of interest in my phased vertical antenna system and the tuner that feeds them. What I didn't have, was sufficient documentation to make the system easy to understand. I took some pictures and added some tech talk.

Hope this is helpfull to those interested. URL is at ...

<http://w3.one.net/~gentzow/vert-x2.htm>

BTW, I use this with my K2. Can really null out some qrm/n on 40 with this setup.

72

Dieter (DIZ) Gentzow - WB8QYY  
Loveland, Ohio  
FPqrp#1 QRP-L#1998 10-X#9389 K2#493  
<http://w3.one.net/~gentzow/wb8qyy.htm>

-----  
Date: Mon, 20 Sep 1999 18:33:33 -0400  
From: "Randy Hargenrader" <randyh@harksystems.com>  
To: <klqrp@waterw.com>, <qrp-1@lehigh.edu>  
Subject: [50844] KLNet 9/19/99  
Message-ID: <013201bf03b8\$3e8f2ea0\$150001c0@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The KnightLites Net met this last Sunday at about the usual time, however with a bit of a late start.

QNS:

N3G0 Sir Gary operating his SMiTe on a dipole had an excellent 559 signal going.

AC4LH David, running 4 watts was also doing well.

WF4I Sir Derek, was 589  
W4AMV Alan, another 589 using a TenTec Corsair at 8 watts.  
WB0CLD Bill, from St Charles, MO running 4watts was 559

NCS was WJ4P, Randy nr Charleston, SC

Net was closed at 10:29pm.

The KLN operates each Sunday night at 9:30pm Eastern time on 3.868.4MHz  
All are welcome. Crank down the power and jump in with us!

72,  
Randy WJ4P

-----  
Date: Mon, 20 Sep 1999 15:44:22 -0700 (PDT)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [50845] Milliwatt'ers out in force for QRP TTF  
Message-ID: <19990920224422.27956.rocketmail@web705.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I lifted this data from AL Dawkins K0FRP. He makes a strong point. And I will underline this.

While I ran between 40&10mW on 20M the majority of repeats were for my power. Folks just didnt believe there own ears! hi

I had 13 QSO's, and running my power up to 5w might have gotten me another dozen or more contacts. I could have ran the power up on stns who didnt hear me calling them. But I was lazy/committed to milliwatting.

If your rigs power is hard to adjust just have an extra rig standing by set at 5w. Let the good times roll!

You do not need a super duper beam on a tower. Just be sure your SWR's very low. Those milliwatts will jump off your antenna like an olympic diver gets a great takeoff from the high board.

Yeah, good band condx are helpfull, but when a path

opens to some area of the country even overall poor  
band condx wont stop our milliwatts!

I'm looking forward to the next QRP contest (whenever  
that is) and even more milliwatters on the air!

You may have heard, I'm going to try and replace Bob  
White W03B in the ARCI QRP Quarterly milliwatt column.  
(A tuff act to follow)

I'd like to hear from all the veteran and newbe  
milliwatters out there.

73's 72's and sometimes 71's de Jim KJ5TF

QRPers were out in force

20m

KJ4TF 40 mw

KB8IJN 500mw

W4EEX 500 mw

NF9K 900 mw

15m

W4DEC 900 mw

N4XNU 100mw

AA8PJ 500mw

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Do You Yahoo!?

Bid and sell for free at <http://auctions.yahoo.com>

-----  
Date: Mon, 20 Sep 1999 17:36:39 -0500

From: David Gauding <david.gauding@bbs.galilei.com>

To: qrp-l@lehigh.edu

Subject: [50846] Re: QRP Afield - N3XRV (reply)

Message-ID: <1.5.4.32.19990920223639.009832a0@bbs.galilei.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Chris,

Ah ha! N3XRV unmasked! Yep! You got the standard "contest 559" on Saturday  
but a "229" on Sunday. Must confess now that it was closer to "429". I was  
kinda' excited myself!

Did note both times you called the signal was on the lowside, almost out of  
my passband, but close enough. I use a 1.8 kHz filter in the Corsair I when  
calling CQ. The AGC was switched out on Sunday morning and that surely

helped your 50mW signal in the noise. However, you were actually in the clear at that time.

A local ham who shall remain nameless showed me a little milliwatting trick about ten years ago. He would call stations while walking the VFO of his HW-8 back and forth through the other station's passband.....and unfortunately everyone else's. But, it really gets attention and is quite effective in pileups. Depends on how bad you need the contact, I suppose. Of course, I have never, ever done this myself! <g>

Your 300 ohm folded dipole is obviously working well. Don't fix it! I spent eighteen years as a cliffdweller before buying a house last year. Having something out in the sun is definitely the way to go, even if it lays right on the roof as yours does.

I was running an SLX vertical with the feedpoint at 4' and six St. Louis Radials drooping from the feedpoint. Equidistant around the antenna instead of focused as KI6DS configured his SLX this past weekend. That's a "one element beam" version. I use an SLX/OEB from time-to-time but usually on an 8-10' elevated pvc mount. Then the radial is a single stranded 3/4 wave wire cut for a specific operating band.

If you need a QSL for MO/QRPP send an address and I'll get one off pronto.

Regards,

de Dave, NF0R      nf0r@slacc.com

-----  
Date: Mon, 20 Sep 1999 15:53:12 PDT  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: SFIKE@twa.com, qrp-1@Lehigh.EDU  
Subject: [50847] Re: K2  
Message-ID: <19990920225312.75935.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I would hope Wayne and Eric do very well on the endeavor, because

performance wise and from a grass roots ham radio perspective, the K2 is a breakthrough as we nit-picking performance nuts realize. The K2 is the rig that several offerings should have been, which shall remane unnamed...

Takes capital to proceed with future business, doesn't it ?

Battle on, guys.

Alan, N3BJ

-----Original Message Follows-----

From: <SFIKE@twa.com>

Reply-To: SFIKE@twa.com

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: K2

Date: 20 Sep 1999 15:52:24 LOC

I stand corrected. They may not be making money "hand over fist"  
(my own words), but I suspect they'll come out ahead okay in the long run...

72

Scott

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

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Date: Mon, 20 Sep 1999 17:53:04 -0500

From: "George T. Baker" <w5yr@swbell.net>

To: JClinton46@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [50848] Re: Searching the archives for coax as balanced feeder?

Message-ID: <37E6BAD0.3E30FF14@swbell.net>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

One important added point: "ground" the coax braids to the tuner but  
leave them floating - but tied together - at the other end.

72/73, George

AMA 98452

R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County

QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

-----  
Date: Mon, 20 Sep 1999 18:56:11 EDT  
From: charles k brown <n4so@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [50849] Kester 245 Solder  
Message-ID: <19990920.225428.7639.3.n4so@juno.com>

Kester 245 No Clean Solder pocket pack MT-k245 \$2.50

From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: Kester Solder

Order catalog// for complete line of kits/tools/paddles.  
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OHR-100  
WM-2 Wattmeter  
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Ken Brown N4SO  
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End of QRP-L Digest 1585  
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